

CS4RRA – PARTNERS DIRECTORY

The partners who have completed the partnering survey and agreed to share their contact to figure in this directory are listed below. Those partners are searching for a **consortium to join or additional partner(s)**.

You may explore the profiles listed by country and reach out to the ones that meet your consortium objectives and needs.

Reminder of the CS4RRA eligibility criteria

An eligible consortium must include at least:

- **2 West African partners** from **2 different countries** (see list of West African countries on the Call Text)
- **1 European partner** (from the Group of Funding Parties or self-funded)

The **Project Coordinator** must be based in **West Africa**

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Belgium

Ian Shynkarenko

Name : Ian Shynkarenko

Contact : ian.shynkarenko@vito.be

Represent team from : Europe

Country : Belgium

Organisation : VITO

Part of a consortium : Yes

Consortium complete and eligible : No

Other partners from : Sierra Leone

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: Yes

Keywords : Remote Sensing, Insurance, Agrifinance

Tentative title of research project : Comprehensive Agriculture Hybrid Crop Insurance for Smallholder Farmers

Tentative project summary : Development of a technology enhanced hybrid crop insurance product (area-yield index and indemnity components) to enhance farmers' resilience against weather and climate risks.

Research area : Sierra Leone + any other neighboring country in West Africa

SEARCHING FOR

Consortium to join : No

One or more african partners : Yes

One or more european partners : No

Partner profile searched : Insurer and/or MFI

Will ask funds to : BMFTR

Benin

AYEDEGUE Philippi Destin

Name : AYEDEGUE Philippi Destin

Contact : destinayedegue5@yahoo.fr

Represent team from : Africa

Country : Benin

Organisation : DEDRAS-NGO

Part of a consortium : No

Consortium complete and eligible : No

Other partners from : Burkina-Faso and Benin

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : prediction, weather information, community-responsive platform

Tentative title of research project : ClimateShield – Integrated Early Warning & Risk Intelligence Platform for Climate Security

Tentative project summary : To design and deploy a data-driven, interoperable, and community-responsive platform that strengthens Early Warning Systems (EWS) in alignment with WMO's four pillars, while integrating advanced tools for the operational assessment and proactive prevention of climate-induced security risks.

Research area : Benin

SEARCHING FOR

Consortium to join : No

One or more african partners : No

One or more european partners : Yes

Partner profile searched : European institution specialized in research in climate change sector

Will ask funds to :

Janvier EGAH

Name : Janvier EGAH

Contact : egahjanvier@gmail.com

Represent team from : africaine

Country : Bénin

Organisation : Université de Parakou

Part of a consortium : Non

Consortium complete and eligible : Non

Other partners from : Bénin, Togo, Côte d'Ivoire ou Burkina-Faso

PROJECT

Topic 1.Improving Early Warning Systems: Oui

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Oui

Topic 3. Improving financing mechanism and institutional integration of climate service: Non

Keywords : Alerte climatique, coconstruction, systèmes alimentaires, gestion durable des terres

Tentative title of research project : Coconstruction d'un mécanisme d'alertes climatique et gestion durable des terres pour des systèmes alimentaires durables en Afrique de l'Ouest

Tentative project summary : Coconstruire un mécanisme d'alertes climatiques

Promouvoir des pratiques de gestion durable des terres pour anticiper et gérer les risques climatiques en se basant sur le mécanisme d'alerte

Evaluer l'efficacité des mécanismes de gestion d'alertes climatiques sur les systèmes alimentaires

Capitaliser les bonnes pratiques de gestion des alertes climatiques et de gestion durable des terres

Research area : Bénin, Côte d'Ivoire, Togo, et ou Burkina-Faso

SEARCHING FOR

Consortium to join : Oui

One or more african partners : Oui

One or more european partners : Oui

Partner profile searched : Institution d'enseignement supérieur et de recherche

Will ask funds to : Gouvernement des Pays-Bas, Gouvernement du Canada, Gouvernement du Danemark, Commission européenne, Gouvernement de l'Allemagne, Fondation Bill et Melinda Gates

Ayidego Crépin Ebed HOUENOU

Name : Ayidego Crépin Ebed HOUENOU

Contact : ebedhouenou@gmail.com

Represent team from : africaine

Country : Bénin

Organisation : Initiatives pour un Développement Intégré Durable (IDID-ONG)

Part of a consortium : Non

Consortium complete and eligible : Non

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Oui

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Oui

Topic 3. Improving financing mechanism and institutional integration of climate service: Oui

Keywords : Alerte précoce; Maraîchage; Bioagresseurs; Résilience climatique; Agroécologie

Tentative title of research project : BENIN

Tentative project summary : CLIM-MARAÎCHAGE : Système d'Alerte Précoce et Résilience climatique face aux bioagresseurs dans la filière maraîchère en Afrique de l'Ouest

La filière maraîchère joue un rôle crucial dans la sécurité alimentaire, la nutrition et l'économie rurale en Afrique de l'Ouest, particulièrement pour les femmes qui sont largement impliquées dans la production, la transformation et la commercialisation des légumes. Cependant, cette filière est de plus en plus menacée par l'apparition de nouveaux bioagresseurs (insectes, champignons, maladies), dont la dynamique est fortement influencée par les changements climatiques, notamment la variabilité des pluies et l'augmentation des températures.

Ces bioagresseurs provoquent des pertes importantes en quantité et qualité, fragilisant les revenus des producteurs et augmentant la vulnérabilité des communautés rurales. Par ailleurs, les systèmes d'alerte actuels sont souvent généraux, peu adaptés aux spécificités locales et à la diversité des cultures maraîchères. Les maraîchers, et en particulier les femmes, manquent d'informations fiables et anticipatives leur permettant de mieux protéger leurs cultures.

Le projet CLIM-MARAÎCHAGE vise à développer un Système d'Alerte Précoce (SAP) innovant, participatif et spécifique à la filière maraîchère. Ce système intégrera des données climatiques locales, des observations phytosanitaires en temps réel et les savoirs endogènes des acteurs agricoles pour anticiper les pics d'attaques des bioagresseurs. Les alertes seront diffusées via des canaux adaptés tels que les SMS, radios communautaires et supports visuels.

Des actions de formation et de sensibilisation seront également menées pour renforcer les capacités des maraîchers et maraîchères à interpréter ces alertes et à adopter des pratiques agroécologiques durables, notamment la gestion intégrée des bioagresseurs (GIB). Le projet favorisera par ailleurs l'intégration de ces alertes dans les stratégies locales d'adaptation au changement climatique en collaboration avec les collectivités territoriales.

Un point fort du projet est son modèle modulaire et évolutif : il pourra être facilement adapté à d'autres spéculations agricoles confrontées à des problématiques similaires de gestion des

bioagresseurs et de vulnérabilité climatique. Cette approche favorise la répliquabilité et la montée en échelle dans différents contextes régionaux.

Enfin, en promouvant des pratiques agricoles durables et adaptées au climat, le projet contribue à la création et au maintien d'un emploi rural raisonnable et respectueux de l'environnement, soutenant ainsi l'économie locale et la résilience des communautés rurales, en particulier des femmes.

Research area : Bénin

SEARCHING FOR

Consortium to join : Oui

One or more african partners : Non

One or more european partners : Oui

Partner profile searched : 1. Partenaires africains (hors Bénin)

Nombre requis : au moins 2, issus de pays africains différents

Type d'organisation souhaité :

Centres ou instituts de recherche en climat, agriculture, environnement ou hydrologie

Universités avec département en climat, agroécologie, géosciences ou sciences sociales

ONG expérimentées dans la mise en œuvre de projets d'adaptation climatique ou de résilience communautaire

Agences nationales de météorologie ou institutions publiques en lien avec la planification climatique et la gestion des risques

Expertise recherchée :

Co-production de services climatiques avec les communautés

Mise en œuvre de systèmes d'alerte précoce à l'échelle locale

Évaluation des risques climatiques et vulnérabilités territoriales

Intégration du genre et des savoirs endogènes dans les stratégies d'adaptation

Expérience de terrain dans des contextes similaires à celui du Bénin (zone soudano-guinéenne ou sahélienne)

☒ 2. Partenaire européen

Nombre requis : au moins 1, issu de l'un des pays financeurs (France, Allemagne, Italie, Norvège...)

Type d'organisation souhaité :

Institut de recherche (ex. : IRD, CIRAD, Helmholtz, CMCC...)

Université spécialisée en climat, environnement, développement ou économie verte

Think tank ou ONG disposant d'une expertise en gouvernance climatique, finance climat ou transfert technologique

Expertise recherchée :

Analyse des risques climatiques à différentes échelles

Outils de modélisation climatique, projections, big data

Appui à la structuration de services climatiques inclusifs (alertes, prévisions, conseil agricole)

Méthodologies d'évaluation d'impact des politiques climatiques

Appui à la rédaction scientifique et publication des résultats

✚ Idéalement, les partenaires devraient :

Avoir une expérience de collaboration internationale ou inter-africaine

Être disposés à co-construire les livrables avec une approche participative

Avoir une capacité administrative solide pour gérer des projets financés à hauteur de 2 millions d'euros

Être ouverts à l'intégration de l'art, de la culture et du genre dans les outils ou livrables, si le projet le justifie

Parfait BLALOGOE

Name : Parfait BLALOGOE

Contact : credelong@yahoo.fr

Represent team from : africaine

Country : Bénin

Organisation : Centre de Recherche et d'Expertise pour le Développement Local (CREDEL)-ONG

Part of a consortium : Non

Consortium complete and eligible : Non

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Oui

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Oui

Topic 3. Improving financing mechanism and institutional integration of climate service: Non

Keywords : Système d'alerte Précoce; Informations climatiques, Utilisation et Résilience

Tentative title of research project : La résilience des moyens de subsistance basée sur l'utilisation de l'information liée aux systèmes d'alertes précoces (SAP)

Tentative project summary : L'élaboration et la diffusion d'informations hydrométéorologiques sont l'une des stratégies d'adaptation aux changements climatiques en Afrique de l'Ouest. Elles aident à la planification et la mise en œuvre de politiques agricole, sanitaire et de sécurité alimentaire (SY, 2018). Cependant, l'utilisation de ces informations par les acteurs notamment par les femmes et autres groupes vulnérables se heurte à des problèmes comme l'inadéquation des produits à leurs besoins, l'inaccessibilité, l'incertitude, l'incompréhension, etc. (Kouderin, 2021). Le projet vise à promouvoir la production et la diffusion par des canaux appropriés des informations hydrométéorologiques et climatiques adaptées (pour les femmes/les hommes et les institutions) pour la prise de décisions éclairée dans les domaines prioritaires du Cadre mondial pour les services climatologiques (la prévention des catastrophes, la santé publique, la gestion des ressources en eau, l'agriculture/sécurité alimentaire).

Research area : Bénin et deuxième pays (à choisir en fonction du deuxième partenaire)

SEARCHING FOR

Consortium to join : Oui

One or more african partners : Non

One or more european partners : Oui

Partner profile searched : un organisme européen et africain pour constituer le consortium

Will ask funds to : A décider avec les autres partenaires

Burkina Faso

OUATTARA A. Emmanuel**Name :** OUATTARA A. Emmanuel**Contact :** emauat@yahoo.fr**Represent team from :** africaine**Country :** Burkina Faso**Organisation :** Consortium d'Associations (Associations, ONG, Chambres Consulaires et collectivité)**Part of a consortium :** Oui**Consortium complete and eligible :** Non**Other partners from :** Burkina Faso**PROJECT****Topic 1.Improving Early Warning Systems:** Oui**Topic 2. Improving operational assessment and prevention of Climate Security Risks:** Oui**Topic 3. Improving financing mechanism and institutional integration of climate service:** Oui**Keywords :** l'intégration des services climat, protection écosystèmes, préservation de ressources en eau, régénération naturelle**Tentative title of research project :** Projet de résilience écologique par la protection des berges et des terres**Tentative project summary :** Ce projet vise à restaurer et protéger les écosystèmes dégradés à travers la mise en œuvre d'actions concrètes telles que la mise en défens des zones sensibles, la protection des berges et l'application de techniques de Conservation des Eaux et des Sols/ Défense et Restauration des Sols (CES/DRS). L'objectif est de lutter contre l'érosion, améliorer la résilience des sols, préserver les ressources en eau et favoriser la régénération naturelle de la végétation. Le projet va adopter une approche participative en impliquant et responsabilisant les communautés locales dans la gestion durable des ressources naturelles, contribuant ainsi à la sécurité alimentaire et l'adaptation aux changements climatiques.**Research area :** BURKINA FASO**SEARCHING FOR****Consortium to join :** Oui**One or more african partners :** Non**One or more european partners :** Oui**Partner profile searched :** institution ou ONG de l'union européen expérimenté et répondant aux critères de l'appel à projet**Will ask funds to :** Baque Africaine de Développement

ILBOUDO OMER JEANIN WENDKAATO

Name : ILBOUDO OMER JEANIN WENDKAATO

Contact : songtaabainfo@gmail.com

Represent team from : Africa

Country : Burkina Faso

Organisation : Association Songtaaba pour le Développement ASTD

Part of a consortium : No

Consortium complete and eligible : No

Other partners from : Burkina Faso

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: Yes

Keywords : Alerte, Entrepreneuriat Vert, Gestion des déchets, prévention

Tentative title of research project : PROJET YOLEMDE

Tentative project summary : Le projet YOLEMDE s'intègre parfaitement dans ces trois thématiques liées aux services climatiques au Burkina Faso. Voici comment il contribue à chacune d'elles:

Thème 1: Améliorer les systèmes d'alerte précoce

Le projet YOLEMDE, axé sur la gestion des déchets et la production d'engrais organiques, joue un rôle indirect mais important dans les systèmes d'alerte précoce. En optimisant l'usage des déchets biodégradables et en limitant la pollution due aux déchets non traités, il aide à prévenir certaines catastrophes environnementales, comme les inondations urbaines causées par l'obstruction des canaux de drainage. De plus, l'engagement du projet dans une éducation environnementale permet aux communautés locales d'être mieux préparées aux défis climatiques et de répondre plus efficacement aux alertes de crise.

Thème 2: Améliorer l'évaluation opérationnelle et la prévention des risques liés à la sécurité climatique

Le projet YOLEMDE contribue à la sécurité climatique* en réduisant la dépendance aux engrais chimiques qui peuvent appauvrir les sols et perturber l'équilibre écologique à long terme. En promouvant des pratiques agricoles plus durables, il aide les agriculteurs à mieux gérer les risques liés à la dégradation des terres et aux changements climatiques. En outre, en favorisant une meilleure gestion des déchets, le projet lutte contre la pollution et les maladies liées à la mauvaise gestion des ordures, améliorant ainsi la qualité de vie des populations locales.

Thème 3: Améliorer le mécanisme de financement et l'intégration institutionnelle des services climatiques

YOLEMDE s'inscrit dans une démarche d'économie circulaire, qui peut attirer des investissements publics et privés pour renforcer son impact. Le projet pourrait bénéficier de mécanismes de financement climat, tels que des subventions gouvernementales, des *fonds internationaux pour l'environnement, ou encore des partenariats avec des entreprises soucieuses de leur responsabilité environnementale. En intégrant une approche institutionnelle qui favorise la collaboration entre les collectivités locales, les entreprises et les ONG, YOLEMDE pourrait contribuer à une meilleure intégration des services climatiques dans la politique environnementale du Burkina Faso.

En résumé, le projet YOLEMDE ne se limite pas à la gestion des déchets; il s'inscrit dans une *vision plus large* de résilience climatique, de développement durable et d'innovation écologique. C'est une initiative qui pourrait jouer un rôle clé dans l'évolution des politiques environnementales au Burkina Faso. Parfait, approfondissons les trois thématiques en lien avec le projet YOLEMDE au Burkina Faso, en illustrant comment ce projet peut servir de levier de transformation durable:

1. Systèmes d'alerte précoce

Le projet YOLEMDE, bien que centré sur les déchets et l'agriculture durable, participe indirectement à l'amélioration des systèmes d'alerte précoce par:

- La réduction des déchets dans les zones urbaines, ce qui diminue le risque d'inondations liées au mauvais drainage.
- La sensibilisation communautaire à l'environnement, qui rend les citoyens plus réactifs aux alertes météorologiques ou sanitaires.
- La promotion de bonnes pratiques agricoles, qui rend les producteurs plus résilients face aux aléas climatiques.

2. Évaluation opérationnelle et prévention des risques liés à la sécurité climatique

YOLEMDE renforce la sécurité climatique par:

- La *valorisation des déchets organiques* en engrais naturels, réduisant l'usage de produits chimiques nuisibles aux sols et à la santé.
- L'amélioration de la fertilité des terres, ce qui aide à prévenir la désertification.
- La réduction des émissions de gaz à effet de serre, grâce à une meilleure gestion des déchets et à la baisse des intrants chimiques industriels.

3. Financement et intégration institutionnelle des services climatiques

Ce projet crée un cadre propice à:

- La mobilisation de financements climatiques (fonds verts, mécanismes de développement propre, partenaires techniques).
- Une coopération interinstitutionnelle: ONG, municipalités, coopératives agricoles, entreprises privées.
- La création d'un modèle économique durable, en s'appuyant sur l'économie circulaire, les emplois verts, et le développement inclusif.

En résumé, YOLEMDE incarne un modèle de résilience climatique locale, alliant écologie, innovation sociale, inclusion économique et gouvernance partagée. Un projet comme celui-ci pourrait même inspirer des politiques publiques à l'échelle nationale.

Research area : Burkina Faso

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : No

Partner profile searched : Bailleur de fond, Institution internationales, Expertise

Will ask funds to : UICN, FOND VERT CLIMAT ETC...

France

Kpanou Marc

Name : Kpanou Marc

Contact : mackpanou@yahoo.fr

Represent team from : européenne

Country : Je reside en France (mais je suis originaire du Bénin)

Organisation : Predict X'rain

Part of a consortium : Non

Consortium complete and eligible : Non

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Oui

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Oui

Topic 3. Improving financing mechanism and institutional integration of climate service: Non

Keywords : Précipitations extrêmes, prédiction, précurseurs atmosphériques/océaniques, Afrique de l'ouest

Tentative title of research project : Prédiction des occurrences des précipitations extrêmes en Afrique de l'ouest

Tentative project summary : Mon projet a pour but de prédire l'occurrence des précipitations extrêmes en Afrique de l'ouest. La prédiction est fondée sur la détection des précurseurs atmosphériques et/ou océaniques associées aux précipitations extrêmes.

Research area : Nigeria, Bénin, Togo, Ghana, Côte d'Ivoire et pays sahéliens

SEARCHING FOR

Consortium to join : Oui

One or more african partners : Oui

One or more european partners : Oui

Partner profile searched : Centre de recherche sur le climat tropicale

Will ask funds to :

SINSIN Tadal

Name : SINSIN Tadal

Contact : t.sinsin@altereo.fr

Represent team from : africaine

Country : France

Organisation : Altereo

Part of a consortium : Oui

Consortium complete and eligible : Non

Other partners from : France - Bénin - Togo

PROJECT

Topic 1.Improving Early Warning Systems: Oui

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Oui

Topic 3. Improving financing mechanism and institutional integration of climate service: Oui

Keywords : Système d'observation – Modélisation participative – Prospective – Risques climatiques – Résilience & Adaptation

Tentative title of research project : SOOP-TERRACLIM

Tentative project summary : Ce projet de R&D vise à développer un outil de modélisation spatiale intégré et participatif, dynamique et prédictive permettant d'identifier, visualiser et anticiper les effets de l'artificialisation des sols sur les services écosystémiques, les risques climatiques (inondation, îlots de chaleur), et les vulnérabilités sociales dans les villes et périphéries d'Afrique de l'Ouest, afin d'orienter les décisions d'aménagement vers des trajectoires de résilience.

L'outil s'inscrit dans une logique d'aide à la décision multi-acteurs, pour soutenir les politiques de planification urbaine durable, la prévention des risques sécuritaires liés au climat (inondations, conflits d'usage, migrations forcées), et l'intégration des services climatiques dans les systèmes territoriaux.

Research area : Bénin - Togo

SEARCHING FOR

Consortium to join : Non

One or more african partners : Oui

One or more european partners : Non

Partner profile searched : Nous sommes un consortium de recherche d'institution France, Bénin et Togo. Notre consortium regroupe des compétences en modélisation spatiale, gestion des ressources naturelles eaux et forêts, gestion des eaux pluviales et

Nous recherchons,

- Une expertise en climatologie capable avec son équipe de porter des travaux d'installation de capteur hydro-climatiques au sol et la collecte de données terrain
- Une expertise en modélisation 3D avec la capacité de collecter les données d'occupation du sol par Drones au Bénin et au Togo
- Une expertise en sociologie pour analyser la vulnérabilité sociale au changement climatique au Bénin et au Togo

- Une expertise en économie pour monter des fiches projets finançables pour l'opérationnalisation de scénarios géo prospectifs

Will ask funds to : ANR

Duvallet Mathilde

Name : Duvallet Mathilde
Contact : mathilde.duvallet@finres.dev
Represent team from : européenne
Country : France
Organisation : finres

Part of a consortium : Non
Consortium complete and eligible : Non
Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Non
Topic 2. Improving operational assessment and prevention of Climate Security Risks: Oui
Topic 3. Improving financing mechanism and institutional integration of climate service: Oui

Keywords : diagnostics vulnérabilité, aide à la décision, adaptation, financement

Tentative title of research project : Diagadapt

Tentative project summary : Nous souhaitons candidater à cet appel à projet afin de réaliser des diagnostics de la vulnérabilité des systèmes alimentaires locaux et la projection des risques de production au niveau national, dans le cadre de différents scénarios climatiques et avec des pratiques d'adaptation (par exemple, le paillage, l'agroforesterie, l'ombrage). Les résultats de ces diagnostics pourraient guider les décisions d'investissement dans des stratégies d'adaptation agricole au niveau de l'exploitation par le biais de microcrédits et d'assurances et aider à la conception de politiques publiques pour la promotion de l'adaptation au niveau national. Finres est une start-up fintech française qui vise à soutenir l'amélioration de la résilience climatique dans l'agriculture en rendant les données disponibles pour éclairer les décisions sur les risques climatiques agricoles. Nous disposons notamment d'un modèle de prévision de l'adéquation des cultures au climat et de modèles de simulation du rendement des cultures en fonction des variables climatiques et pédologiques.

Research area : Côte d'Ivoire et au moins un autre pays ouest africain

SEARCHING FOR

Consortium to join : Oui
One or more african partners : Oui
One or more european partners : Oui
Partner profile searched : Organismes de recherche publics (agronomes, économistes, climatologues, sociologues, data scientist)
 Institutions de microfinance
 Associations locales de producteurs
Will ask funds to : ANR, BMFTR

Le Grix Cécile

Name : Le Grix Cécile

Contact : clegrix@urd.org

Represent team from : européenne

Country : France

Organisation : Groupe URD

Part of a consortium : Non

Consortium complete and eligible : Non

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Oui

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Oui

Topic 3. Improving financing mechanism and institutional integration of climate service: Non

Keywords : hydrologie, adaptation, gestion des risques

Tentative title of research project : Comment les INGOs peuvent-elles se positionner dans les contextes où l'adaptation in situ n'est plus viable ?

Tentative project summary : Quelques pistes de travail qui peuvent évoluer :

1) Combiner données climatiques, socio-économiques et politiques pour identifier les futures « zones de rupture ».

2) Identifier des critères éthiques et politiques pour arbitrer entre adaptation locale et relocalisation planifiée.

3) Dans le cas de la relocalisation planifiée :

- Identifier les leviers politiques et juridiques à mobiliser par les INGOs dans ce domaine
- Proposer des grilles d'analyse pour documenter les pertes non économiques (pertes sociales, symboliques et culturelles) dues aux changements climatiques et à la relocation
- Expérimenter des dispositifs de réparation communautaire ou de soutien psychosocial à long terme.
- Explorer comment intégrer ces outils aux futurs mécanismes du Fonds « pertes et dommages »
- Développer des cadres de planification de la relocalisation incluant la participation locale.
- Étudier les conditions d'une mobilité choisie, sécurisée, et culturellement accompagnée.

Cela pourrait aussi porter sur les enjeux climatiques/hydrologiques, ou les liens entre services publics de prévision/gestion des risques hydrologiques et actions citoyennes, surtout entre zones éloignées.

Research area : Sénégal, Guinée Bissau, autres selon opportunités de collaboration

SEARCHING FOR

Consortium to join : Oui

One or more african partners : Oui

One or more european partners : Non

Partner profile searched : Organismes de recherche, ONG, universités

Will ask funds to : ANR

Kpanou Marc

Name : Kpanou Marc

Contact : mackpanou@yahoo.fr

Represent team from : européenne

Country : France (je suis originaire du Bénin)

Organisation : Predict X'rain

Part of a consortium : Non

Consortium complete and eligible : Non

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Oui

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Oui

Topic 3. Improving financing mechanism and institutional integration of climate service: Non

Keywords : Précipitations extrêmes, précurseurs, intelligence artificielle, Afrique de l'ouest

Tentative title of research project : Prédiction des précipitations extrêmes en Afrique de l'ouest

Tentative project summary : Mon projet a pour but de réaliser des prédictions d'occurrence des précipitations extrêmes en Afrique de l'ouest. Cette prédiction est basée sur la détection des précurseurs (atmosphériques/océaniques) qui sont observés 2 à 5 jours avant l'occurrence de l'événement pluvieux extrême.

Ainsi, il est question de créer un modèle de prédiction des phénomènes extrêmes à l'aide de l'intelligence Artificielle qui pourra s'appuyer sur la détection des précurseurs associés aux précipitations extrêmes.

Research area : Nigeria, Bénin, Togo, Ghana, Côte d'Ivoire et pays du sahel

SEARCHING FOR

Consortium to join : Oui

One or more african partners : Oui

One or more european partners : Oui

Partner profile searched : - Institut (centre) universitaire de recherche sur le climat tropicale,
- services météorologiques/climatiques des pays ouest-africains.

Will ask funds to :

Gambia

Dr Sheriff Ceesay

Name : Dr Sheriff Ceesay

Contact : sheriffceesay@gambiacollege.edu.gm

Represent team from : Africa

Country : Gambia

Organisation : Gambia College

Part of a consortium : No

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: No

Topic 2. Improving operational assessment and prevention of Climate Security Risks: No

Topic 3. Improving financing mechanism and institutional integration of climate service: Yes

Keywords : weather-index insurance, carbon credit, climate services

Tentative title of research project : Digital Finance Innovations for Sustainable Climate Services in West Africa

Tentative project summary : This project aims to design and pilot innovative financing models such as weather-index insurance, carbon credit systems, and mobile microfinance solutions to support sustainable climate services. It will also assess institutional barriers and propose policy frameworks for integrating climate services into national and regional development plans. Specifically, it will develop and test weather-index insurance schemes, carbon credit market access pathways, and mobile-based microfinance tailored to farmers, fishers, and vulnerable groups in Senegal and The Gambia.

Research area : The Gambia

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : Yes

Partner profile searched : The School of Agriculture at The Gambia College, based in Brikama, is a leading public tertiary institution committed to advancing agricultural education and rural development. It offers both pre-service and in-service training to a diverse group of learners, including school leavers, government personnel, NGO staff, and private sector stakeholders. Its flagship program, the Higher National Diploma in Agriculture, equips students with practical and theoretical knowledge in crop and animal production, preparing them for impactful roles in the agricultural sector. A key strength of the school lies in its active engagement with farming communities through agricultural extension services. These outreach efforts support national food security goals and empower rural populations with sustainable farming techniques. The school also hosts regular workshops and seminars on emerging agricultural technologies and best practices,

fostering a culture of continuous learning and innovation. Central to its academic and outreach mission is the Directorate of Research and Development, which plays a pivotal role in driving applied research and curriculum innovation. The Directorate supports faculty and student-led research projects that address local agricultural challenges, such as climate resilience, soil health, and post-harvest management. It also facilitates partnerships with national and international institutions to enhance the quality and relevance of agricultural education. Through this Directorate, the School contributes to evidence-based policy development and the integration of research findings into teaching and community programs. The School of Agriculture prioritises collaboration in areas such as sustainable agriculture curriculum development, capacity building for extension workers, digital learning tools for agricultural training, and joint research initiatives. It also welcomes partnerships that offer student internships, faculty exchanges, and institutional strengthening to further its mission of transforming agriculture through education and innovation.

Will ask funds to :

Germany

Anna Thoms

Name : Anna Thoms

Contact : thoms@isah.uni-hannover.de

Represent team from : Europe

Country : Germany

Organisation : Institute of Sanitary Engineering and Waste Management, Leibniz University Hannover

Part of a consortium : No

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : Rainwater, Water Supply, Water Availability, Smart Cities, Decentralized Water Management, Prevention against extrem weather conditions

Tentative title of research project : RainWaterCycle

Tentative project summary : Development, implementation, and testing of an integrative “RainWaterCycle” for climate-adapted rainwater utilisation to sustainably strengthen the water supply in West African cities, through the use of smart technologies. The concept combines flood prevention and efficient rainwater harvesting to provide quality-assured water and the creation of cooling zones on public spaces (e.g. school campuses, market areas).

(see previous study: Thoms, A.; Köster, S. Potentials for Sponge City Implementation in Sub-Saharan Africa. Sustainability 2022, 14, 11726. <https://doi.org/10.3390/su141811726>)

Research area : Ghana, Burkina Faso, Côte d'Ivoire

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : Yes

Partner profile searched : Universities (Sanitary Engineering, Water Managment, KI); public/educational institutions (e.g. schools, market places); industry (sensor technologies, pumps, intelligent control systems))

Will ask funds to : BMFTR

Kerstin Hartsch

Name : Kerstin Hartsch
Contact : Kerstin.Hartsch@iproconsult.com
Represent team from : Europe
Country : Germany
Organisation : IPROconsult

Part of a consortium : No
Consortium complete and eligible : No
Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: No
Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes
Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : soil erosion, flood, risk management, decision support, capacity building

Tentative title of research project : Digital Information Services for Soil Erosion Risk Management in agriculture and/or infrastructure

Tentative project summary : Our expertise is focused on risk management of soil erosion during heavy rainfall, particularly for agriculture, infrastructure and rural and urban areas. This includes erosion risk analysis and planning of preventive measures (incl. nature-based solutions) for erosion protection using process-based soil erosion modeling. For this, innovative solutions are to be developed as a digital information service using, i.e., remote sensing data for needs-based decision support.

In addition, we have in-depth social science expertise and comprehensive skills in individual and institutional capacity development, tailored to the needs of target groups and partner organizations, based on our long-standing experience in planning and advising German and international development cooperation projects (GIZ, UNDP, World Bank) in the areas of climate adaptation, environment and biodiversity in West Africa and the Maghreb.

Research area : still open

SEARCHING FOR

Consortium to join : Yes
One or more african partners : Yes
One or more european partners : Yes
Partner profile searched : Research institution
Will ask funds to : German Ministry of Research (BMFTR)

Maina Friedel

Name : Maina Friedel

Contact : marina.friedel@uni-leipzig.de

Represent team from : Europe

Country : Germany

Organisation : Leipzig University

Part of a consortium : No

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: No

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : large-scale dynamics, constraining climate projections, seasonal predictions

Tentative title of research project : Using process understanding of large-scale dynamics to improve seasonal predictions and long-term climate projections

Tentative project summary :

Research area :

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : No

Partner profile searched : academic research, climate services

Will ask funds to :

Carlos Böke Pascual

Name : Carlos Böke Pascual

Contact : carlos.boeke@tum.de

Represent team from : Europe

Country : Germany

Organisation : Technical University of Munich - Chair of Agricultural Production and Resource Economics

Part of a consortium : No

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: Yes

Keywords : N/A

Tentative title of research project : N/A

Tentative project summary : We have no predefined project proposal, but we are interested in forming a consortium and developing a project based on research interests of the partners involved.

Research area : Open to all countries within the scope of the project

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : Yes

Partner profile searched : All

Will ask funds to :

Nazmul Huq

Name : Nazmul Huq
Contact : nazmul.huq@th-koeln.de
Represent team from : Europe
Country : Germany
Organisation : University of Applied Sciences, Cologne

Part of a consortium : Yes
Consortium complete and eligible : No
Other partners from : Ghana

PROJECT

Topic 1.Improving Early Warning Systems: Yes
Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes
Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : Early warning systems (EWS), Local government, disaster risk reduction, knowledge management, urban

Tentative title of research project : Co-Designing Local Early Warning Ecosystems

Tentative project summary : The project aims to strengthen early warning systems (EWS) in West Africa by developing an interdisciplinary facilitation ecosystem that connects scientific knowledge, policy processes, and local implementation. The project does not aim to build new technical platforms, but rather to enable integration and uptake of existing tools and services by building institutional bridges, fostering co-creation, and addressing key coordination and communication gaps across sectors.

Research area : Ghana, Nigeria, Mali, Burkina Faso, Senegal or any other west African counties

SEARCHING FOR

Consortium to join : Yes
One or more african partners : Yes
One or more european partners : Yes
Partner profile searched : Applied Research University of Germany with a focus of interdisciplinary action research on capacity building, urban DRR, data driven decision making, and climate policy making (https://www.th-koeln.de/raumentwicklung-und-infrastruktursysteme/institut-fuer-technologie--und-ressourcenmanagement-in-den-tropen-und-subtropen-itt_106929.php)
Will ask funds to : Germany, Ghana

Jürgen Kusche

Name : Jürgen Kusche
Contact : kusche@uni-bonn.de
Represent team from : Europe
Country : Germany
Organisation : University of Bonn

Part of a consortium : No
Consortium complete and eligible : No
Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes
Topic 2. Improving operational assessment and prevention of Climate Security Risks: No
Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : GRACE TWSA, forecasts, data assimilation
Tentative title of research project : Implement GRACE TWSA forecasts within EWS
Tentative project summary : We've developed GRACE TWSA forecasts (up to annual) in our group in the past, they can be downloaded from our website and evaluated. We have also demonstrated the assimilation of GRACE TWSA data into hydrological models, for downscaling and disaggregation. This is very helpful in drought indicator development. I foresee this to be very useful in EWS.
Research area : This could focus on any WA country, or the entire region

SEARCHING FOR

Consortium to join : Yes
One or more african partners : No
One or more european partners : No
Partner profile searched : Early warning systems
Will ask funds to : BMFTR

Preisach Christine

Name : Preisach Christine
Contact : christine.preisach@h-ka.de
Represent team from : Europe
Country : Germany
Organisation : University of Applied Sciences Karlsruhe

Part of a consortium : No
Consortium complete and eligible : No
Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes
Topic 2. Improving operational assessment and prevention of Climate Security Risks: No
Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : AI, Climate adaptation, warning system, remote sensing, sensor data
Tentative title of research project : AI-based Climate Adaptation System using Remote Sensing and Sensor Data

Tentative project summary : The aim of the project is to implement an intelligent and easy-to-use climate adaptation system. Therefore all data sources (sensor, remote sensing, climate data, etc.) will be integrated into a digital twin of the respective region. The aim is also to enable local authorities to add new data sources and components independently via a graphical interface without IT expertise. In a first step, applications from the areas of urban development, blue-green infrastructure and climate-related health impacts are being implemented. Particular attention is being paid to the development of explainable and reliable AI and hybrid models that offer recommendations and predictions on climate related issues. The digital twin and the AI-modells provide the possibility for simulations and what-if scenarios. The local partner should be enabled to use and enhance the system with other data and expertise.

Research area : Benin, Burkina Faso, Cape Verde, The Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Liberia, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, and Togo

SEARCHING FOR

Consortium to join : Yes
One or more african partners : Yes
One or more european partners : No
Partner profile searched : NGO, african reasearch institute (knowledge about local situation)
Will ask funds to : BMFTR

Lars Holstenkamp

Name : Lars Holstenkamp

Contact : lars.holstenkamp@ecolog-institut.de

Represent team from : Europe

Country : Germany

Organisation : ECOLOG Institute for Social-Ecological Research and Education

Part of a consortium : No

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: No

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: Yes

Keywords : Risk communication, Target group analysis, Governance, Financing

Tentative title of research project : no consortium yet

Tentative project summary : Our expertise:

- Risk communication, target group specific communication (working with social milieu models)
- Financing & governance of transition processes

Research area : References in Ghana, but open to other Western African countries

SEARCHING FOR

Consortium to join : Yes

One or more african partners : No

One or more european partners : No

Partner profile searched : (we want to join a consortium)

Will ask funds to : BMFTR

Zeyd Boukhers

Name : Zeyd Boukhers

Contact : zeyd.boukhers@fit.fraunhofer.de

Represent team from : Europe

Country : Germany

Organisation : Fraunhofer Institute for Applied Information Technology - FIT

Part of a consortium : Yes

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: No

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : Drought early warning; AI agricultural forecasting; Climate-smart agriculture; Multimodal data fusion; West Africa climate services

Tentative title of research project : AI-Enhanced Drought Early Warning for West African Agriculture

Tentative project summary : We're developing an AI-powered platform to provide seasonal drought forecasts for smallholder farmers in West Africa. The system integrates satellite data, weather observations, and ground sensors through advanced data management and machine learning to deliver 3-6 month agricultural planning alerts.

Our expertise: AI/ML, knowledge graphs, multimodal data fusion, FAIR data management, distributed analytics, geospatial platforms.

Seeking partners:

- West African meteorological services
- Agricultural research institutions
- Universities with climate/agriculture expertise
- NGOs working with farming communities
- Organisations with regional stakeholder networks

Research area : Ghana + Côte d'Ivoire + Nigeria

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : No

Partner profile searched : West African meteorological services, agricultural research institutions, and universities with climate science expertise; NGOs with farmer networks and community engagement experience in Ghana, Burkina Faso, or Senegal; European research institutes specializing in climate forecasting, agricultural modeling, geospatial/remote sensing, meteorological data management, stakeholder engagement, and policy interfaces for decision support systems.

Will ask funds to : BMFTR

Lisa Reudenbach

Name : Lisa Reudenbach

Contact : lisa.reudenbach@hcu-hamburg.de

Represent team from : Europe

Country : Germany

Organisation : HafenCity University Hamburg / CityScienceLab

Part of a consortium : Yes

Consortium complete and eligible : No

Other partners from : potentially Sierra Leone and Senegal (but open for others)

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : informal settlements, community knowledge, earth observation, vulnerability assessments, disaster risk reduction

Tentative title of research project : Co-creating resilient futures through local knowledge and earth observation (something around those lines)

Tentative project summary : We would like to work around the following questions, but are open for other ideas:

1. How can local community knowledge be integrated with insights derived from Earth Observation data to support the identification and prioritization of vulnerable communities and ultimately enhance community resilience and disaster risk reduction?
2. What kind of knowledge, methods and capacity is needed for communities to champion data-driven disaster risk reduction?

Research area : potentially Sierra Leone and Senegal, but open for others

SEARCHING FOR

Consortium to join : No

One or more african partners : Yes

One or more european partners : Yes

Partner profile searched : We are looking for a partner (European or West African) that is based in West Africa and able to take on the project coordinator role.

Will ask funds to :

Ghana

Kwabena Fosu-Amankwah

Name : Kwabena Fosu-Amankwah

Contact : kfosuamankwah@cktutas.edu.gh

Represent team from : Africa

Country : Ghana

Organisation : C. K. Tedom University of Technology and Applied Sciences

Part of a consortium : No

Consortium complete and eligible : No

Other partners from : Ghana

PROJECT

Topic 1.Improving Early Warning Systems: No

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : food security, climate, soil moisture, soil temperature, Mobile App

Tentative title of research project : Enhancing Operational Assessment and Prevention of Climate Security Risks in the Upper East Region of Ghana

Tentative project summary : The Upper East Region of Ghana is one of the most drought-affected areas in the country. The persistent lack of adequate rainfall has significant impacts on agriculture, food security, public health, climate resilience, and, in some cases, contributes to local conflicts. This proposed project aims to leverage multiple datasets—including spaceborne sources (e.g., GRACE, SMAP), ground-based stations, and in-situ measurements—combined with machine learning techniques to develop an early warning system. The system will be accessible through a dashboard and mobile applications, providing timely drought-related information to local farmers and communities in the region. The broader objective of the project is to lay the foundation for establishing an Applied Meteorology and Aerosol Science program within the Department of Applied Physics at C. K. Tedom University of Technology and Applied Sciences. This initiative will support capacity development in climate services aimed at reducing climate-related risks in Northern Ghana.

Research area : Ghana

SEARCHING FOR

Consortium to join : Yes

One or more african partners : No

One or more european partners : No

Partner profile searched : Academic institution, climate scientist, data analyst, expert in meteorological instrumentation, IoT expert

Will ask funds to : French National Research Agency (ANR) and German DLR Projektträger (DLR-PT)

Ezekiel Acquah

Name : Ezekiel Acquah

Contact : ekacquah@ug.edu.gh

Represent team from : Africa

Country : Ghana

Organisation : University of Ghana

Part of a consortium : No

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : Climate Change, Disaster, Early warning systems, Resilience, Urban

Tentative title of research project : Strengthening the climate resilience of urban areas through enhanced early warning systems and capacity building

Tentative project summary : This study aims to build climate resilience of urban areas, communities and individuals and to minimize or curb climate related disasters through the enhancement of existing climate early warning systems, development of new climate early warning system and capacity building programs. This has become necessary due to the over populations and increasing economic activities coupled with increasing climate variability, which has made communities, individuals, families and nations very vulnerable to climate related disasters. The study will therefore concentrate on densely populated areas with increasing economic activities as these areas have become vulnerable to climate change related disasters including flooding, firebreaks etc. These disasters always lead to loss of lives and properties with socio-economic impact on individuals, families, nations and the West Africa region as a whole. This study aims to minimize or curb such climate related disaster with the creation of early warning systems and through capacity building

Research area : Ghana

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : Yes

Partner profile searched : I would like to work with experts from universities or any research institution with backgrounds in climate change management, disaster risk management, technology (AI) backgrounds and resilience creation

Will ask funds to :

Jones Abrefa Danquah

Name : Jones Abrefa Danquah
Contact : jones.danquah@ucc.edu.gh
Represent team from : Africa
Country : Ghana
Organisation : University of Cape Coast-Ghana

Part of a consortium : Yes
Consortium complete and eligible : No
Other partners from : Ghana

PROJECT

Topic 1.Improving Early Warning Systems: Yes
Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes
Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : Early Warning Systems,Capcity building, disaster risk reduction, agrometeorology
Tentative title of research project : Building resilience to climate change-induced disasters through early warning systems and capacity building

Tentative project summary : The project seeks to develop flood and drought early warning systems as a means to reduce climate change-induced disasters in urban built-up ecosystems and agricultural landscapes. The drought early warning systems will comprise of network of regional and national partners to share knowledge and coordinate action to enable farmers in the West Africa sub-region to cope with drought. The project will actively conduct hazard mapping, vulnerability and risk assessment in both built-up ecosystems and agricultural landscapes. The capacities of institutions mandated to be at the forefront of disaster management will be strengthened through training. Short courses will be rolled out on Disaster prevention, mitigation and preparedness. The existing curriculum at the universities that offer programmes in disaster management, particularly at the University of Cape Coast, will be enhanced. Farmers' decision support systems through effective agrometeorological information and communication to smallholder farmers to reduce the impact of climate change-induced hazards and to improve productivity and secure livelihoods. The role of AI in disaster risk reduction will be emphasised.

Research area : Ghana

SEARCHING FOR

Consortium to join : No
One or more african partners : Yes
One or more european partners : Yes
Partner profile searched : Universities and Research Institutions with expertise in Hyfrology, Agrometeorology , AI, Geographic Information Systems and Remote Sensing
Will ask funds to : EU

Dennis Gookyi

Name : Dennis Gookyi

Contact : dennisgookyi@gmail.com

Represent team from : Africa

Country : Ghana

Organisation : CSIR - Institute for Scientific and Technological Information (CSIR-INSTI)

Part of a consortium : Yes

Consortium complete and eligible : No

Other partners from : Togo, France, Ghana

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: No

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : Water Mapping, Forecasting, Artificial Intelligence, Internet of Things

Tentative title of research project : West Africa AI-IoT Water Mapping and Forecasting for Climate Resilience

Tentative project summary : West Africa faces critical challenges in water resource management due to a significant lack of comprehensive mapping and monitoring of water sources, particularly groundwater, despite the region's heavy reliance on these resources for agriculture, livestock, and domestic use. This data gap undermines effective planning and management, particularly in the face of increasing demand and climate variability. To address this, the project aims to develop a real-time water intelligence system leveraging Artificial Intelligence (AI), Internet of Things (IoT) sensors, satellite imagery, and citizen science. The system enhances early warning capabilities by providing timely insights into water availability, quality, and trends, enabling predictive modeling to anticipate water-related risks such as droughts, floods, or contamination. It also strengthens the operational assessment and prevention of climate-induced security risks by identifying vulnerabilities associated with water scarcity, degradation of water quality, and climate variability, thereby informing strategies to mitigate resource-driven conflicts and migration. Additionally, the project improves financing mechanisms and institutional integration of climate-related services by empowering policymakers, local authorities, and farmers with interactive dashboards, alerts, and mobile access, while fostering inclusive water stewardship through citizen science. The project addresses immediate water resource challenges and contributes to building a climate-resilient West Africa, aligning with broader objectives for risk reduction and climate adaptation.

Research area : West African Countries

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : Yes

Partner profile searched : We seek partners with expertise in climate services, disaster risk reduction, and community-based adaptation. Ideal organizations include research institutions, NGOs, NMHSs, and tech providers with experience in climate data, early warning systems, or mobile-based climate information delivery. Prior work in sub-Saharan Africa, especially with vulnerable communities, and a strong focus on gender and inclusion is preferred.

Will ask funds to :

Stephen Yeboah

Name : Stephen Yeboah

Contact : proyeboah@yahoo.co.uk

Represent team from : Africa

Country : Ghana

Organisation : Council for Scientific and Industrial Research (CSIR)-Crops Research Institute (CRI)

Part of a consortium : No

Consortium complete and eligible : No

Other partners from : Not applicable

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: No

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : Crop insurance, weather index insurance, smallholder, digital platforms, Agriculture

Tentative title of research project : Digital agro-climate advisories and weather index insurance for building resilience in Smallholder Farming

Tentative project summary : Develop and disseminate digital platforms for disseminating climate information services, provide agro-advisories and build robust weather index crop insurance to build resilience of smallholder farming communities in Ghana.

Research area : Ghana

SEARCHING FOR

Consortium to join : Yes

One or more african partners : No

One or more european partners : No

Partner profile searched : Risk reduction experts, crop scientist, modelling and insurance expertise

Will ask funds to :

Italy

Abdel Ganir Njikatoufon**Name** : Abdel Ganir Njikatoufon**Contact** : abdelganir.njikatoufon@cieli.unige.it**Represent team from** : Europe**Country** : Italy**Organisation** : University of Genoa**Part of a consortium** : No**Consortium complete and eligible** : No**Other partners from** : Italy**PROJECT****Topic 1.Improving Early Warning Systems:** Yes**Topic 2. Improving operational assessment and prevention of Climate Security Risks:** Yes**Topic 3. Improving financing mechanism and institutional integration of climate service:** Yes**Keywords** : Co-Design, Multi-Hazard Early Warning, Climate-Resilient Infrastructure, Localised Climate Intelligence, Equity & Institutional Uptake**Tentative title of research project** : CLIM-LEAD – Localised Climate Intelligence & Multi-level Early Action for Adaptive Development in West Africa**Tentative project summary** : The overarching objective of CLIM-LEAD is to co-design, pilot, and institutionalize a new generation of localized, inclusive, and operational climate services that strengthen adaptive capacity and climate risk reduction across key systems in West Africa, with special focus on energy infrastructures, urban mobility, and vulnerable communities.

The project responds to the urgent need to improve multi-hazard preparedness and resilience in the face of increasing climate-related disruptions to critical services, such as electricity supply, transport access, and emergency response.

CLIM-LEAD will deliver tangible and scalable impacts by making climate services a core tool for risk reduction, infrastructure governance, and service continuity in West Africa. The project targets the intersection of climate resilience, energy access, and urban mobility, ensuring that vulnerable populations, institutions, and service providers benefit from operational innovations.

Research area : Ghana, Cape Verde, Senegal, Ivory Coast, The Gambia, Capo Verde, Costa d'Avorio**SEARCHING FOR****Consortium to join** : Yes**One or more african partners** : Yes**One or more european partners** : Yes**Partner profile searched** :

In Africa we are searching for:

- African research institution with expertise in climate modeling, risk governance, and infrastructure studies. This institution will host the central coordination unit and lead the scientific Work Package on early warning systems. It will also supervise the integration of local knowledge and coordinate training activities across the three pilot countries;

- National meteorological agencies and disaster risk management authorities that will serve as key implementing partners for early warning systems and risk modeling;

- Energy and infrastructure authorities, municipal planning departments, and mobility agencies;

- African technical universities and innovation hubs contributing to EO/AI analysis, open-source platform development, and applied research on climate-resilient infrastructure and transport.

European partners will include universities, climate service developers, infrastructure researchers, and SMEs specialized in Earth Observation, AI-based modeling, and open-access platforms, socioeconomic impact analysis.

Their role is to:

- Support the integration of advanced technology into service co-design;
- Facilitate comparative research and replication pathways;
- Ensure quality assurance and knowledge dissemination across Africa and the EU. European partners with expertise in energy transition, smart mobility, and infrastructure vulnerability assessment will support local counterparts in developing and testing tools adapted to the African context.

European partners will include universities, climate service developers, infrastructure researchers, and SMEs specialized in Earth Observation, AI-based modeling, and open-access platforms, socioeconomic impact analysis.

Their role is to:

- Support the integration of advanced technology into service co-design;
- Facilitate comparative research and replication pathways;
- Ensure quality assurance and knowledge dissemination across Africa and the EU. European partners with expertise in energy transition, smart mobility, and infrastructure vulnerability assessment will support local counterparts in developing and testing tools adapted to the African context. The project will be coordinated by a leading African research institution with expertise in climate modeling, risk governance, and infrastructure studies. This institution will host the central coordination unit and lead the scientific Work Package on early warning systems. It will also supervise the integration of local knowledge and coordinate training activities across the three pilot countries. African leadership will be further reinforced through:
 - National meteorological agencies and disaster risk management authorities serving as key implementing partners for early warning systems and risk modeling;
 - Energy and infrastructure authorities, municipal planning departments, and mobility agencies in pilot cities co-leading the design and operationalization of climate services;
 - African technical universities and innovation hubs contributing to EO/AI analysis, open-source platform development, and applied research on climate-resilient infrastructure and transport.

Will ask funds to : MUR

Mario a. Pagnotta

Name : mario a. Pagnotta

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Represent team from : Europe

Country : Italia

Organisation : Tuscia University

Part of a consortium : No

Consortium complete and eligible : No

Other partners from : Italy

PROJECT

Topic 1.Improving Early Warning Systems: No

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : genetic, tolerance traits, drought, natural base solutions, adaptation

Tentative title of research project : Improve adaptation to climatic changes

Tentative project summary : Analyse germplasm variants to improve tolerance to abiotic factors. Identify traits and their genetic base to improve crops. Adopt natural base solutions to face climatic changes.

Research area : Italy and countries involved in the proposal

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : No

Partner profile searched : University, genetics, agronomy

Will ask funds to : Italian Ministry of University and research

Leonardo Bianchini

Name : Leonardo Bianchini

Contact : l.bianchini@unitus.it

Represent team from : Europe

Country : Italia

Organisation : University of Tuscia

Part of a consortium : No

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : Occupational safety, Climate change, Agricultural and Forestry workers, Risk mitigation, Early warning systems

Tentative title of research project : SAFECLIME: Integrated Strategies for Agricultural and Forest workers' safety in the context of CLIMate change and Extreme event

Tentative project summary : Climate change is significantly transforming working conditions in the agriculture and forestry sectors. The increasing frequency and intensity of extreme events, such as heatwaves, windstorms, and heavy rainfall, are exposing workers to new physical and organizational risks. It is therefore increasingly urgent to promote integrated approaches that combine occupational health and safety with climate adaptation and mitigation strategies. In this context, the use of microclimate monitoring systems, early warning tools, improved work organization, and the adoption of operational practices suited to changing environmental conditions represent key levers to ensure the continuity of productive activities and protect the workforce.

SAFECLIME aims to develop and test integrated strategies to improve the safety, health, and resilience of agricultural and forestry workers facing the increasing impacts of climate change. The project will combine technological tools, adaptive agroforestry practices, and organizational solutions to address the risks associated with extreme weather events such as heatwaves, heavy rainfall, and windstorms.

Through a collaborative effort between European and African partners, SAFECLIME will promote the adoption of:

- microclimate monitoring systems and early warning tools at farm and territorial level;
- climate-adapted safety protocols and operational best practices;
- resilient organizational models, with attention to gender, inclusiveness, and working conditions.

The overall objective is to create safer and more sustainable working environments, strengthen the adaptive capacity of agricultural and forestry enterprises, and contribute to a just and inclusive transition in regions most vulnerable to climate change.

Research area : African partner

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : No

Partner profile searched : Research institutions and companies

Filippo Lazzari

Name : filippo lazzari
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Represent team from : Europe
Country : Italia
Organisation : University of Tuscia

Part of a consortium : Yes
Consortium complete and eligible : No
Other partners from : Burkina Faso

PROJECT

Topic 1.Improving Early Warning Systems: Yes
Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes
Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : Resilience, beekeeping, Mali, agroforestry, farming
Tentative title of research project : BIOCLIM in West Africa – Biodiversity Indicators and Organic Circular Livestock Integrated Modules for Climate Resilience
Tentative project summary : NAMoS-BIOCLIM is a climate resilience initiative aimed at strengthening rural livelihoods, increasing circularity and reducing deforestation in West Africa through an integrated agroecological approach. The project builds on the NAMoS (Natural Agroforestry Module System) prototype currently implemented in Mali. The system combines agroforestry, beekeeping, and small-scale animal farming with environmental monitoring to promote climate-smart landscapes.
Research area : Mali

SEARCHING FOR

Consortium to join : No
One or more african partners : Yes
One or more european partners : Yes
Partner profile searched : university, beekeeping or small animal farming (rabbit)
Will ask funds to :

Luca Trapin

Name : Luca Trapin

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Represent team from : Europe

Country : Italy

Organisation : University of Bologna

Part of a consortium : No

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : Extreme Value Theory; Dynamic Extreme Value Models; AI for Extreme Risk Forecasting; Early Warning Systems

Tentative title of research project : Dynamic Extreme Value Analytics for Early Warning and Climate Security in West Africa

Tentative project summary : Climate-related extreme events, such as floods, droughts, and heatwaves, are intensifying across West Africa, posing growing threats to food security, health systems, infrastructure, and livelihoods. Effective early warning systems are a critical tool for managing these risks, but in many regions they remain limited in scope and accuracy.

This project aims to design innovative, user-oriented solutions to strengthen early warning and climate risk management across the region. The core idea is to apply dynamic extreme value models to capture evolving tail risks in climate variables, such as precipitation and temperature, at high-frequency resolution. These models offer an important advantage: they dynamically estimate the intensity and frequency of extreme events without relying on extensive covariate data, making them well-suited for the West African context. By integrating these models with AI techniques, we will also address the challenge of limited to infer spatio-temporal risk patterns, and improve short-term forecasts. Particular emphasis will be placed on applications such as early flood alerts in urban areas, heatwave forecasting for public health, and anticipatory drought indicators to support farmers and water resource managers.

In parallel, the initiative will promote long-term capacity building through workshops focused on dynamic EVT and AI methods for forecasting, as well as joint development of climate security indicators and communication protocols tailored to local priorities.

This proposal aligns with the three strategic pillars of the CS4RRA initiative " Knowledge, Capacity Development, and Innovation in West Africa" by combining methodological advances with practical implementation. It builds on recent research in high-frequency extreme value modeling and seeks to transform those insights into tangible, locally grounded solutions for climate resilience across West Africa.

Research area : All the 16 West African countries, as given in the United Nations definition (Benin, Burkina Faso, Cape Verde, The Gambia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Liberia, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, and Togo) are suited

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : No

Partner profile searched : Type of Organization: universities, meteorological agencies, or disaster risk authorities. Expertises: Climate sciences or environmental statistics

Will ask funds to : Ministero dell'Università e della Ricerca (MUR) - IT

Ivory Coast

Yapi Ahoua**Name :** Yapi Ahoua**Contact :** yapi.ahoua@ufhb.edu.ci**Represent team from :** africaine**Country :** Cote d'Ivoire**Organisation :** Universite Felix Houphouet-Boigny**Part of a consortium :** Non**Consortium complete and eligible :** Non**Other partners from :****PROJECT****Topic 1.Improving Early Warning Systems:** Oui**Topic 2. Improving operational assessment and prevention of Climate Security Risks:** Oui**Topic 3. Improving financing mechanism and institutional integration of climate service:** Non**Keywords :****Tentative title of research project :****Tentative project summary :****Research area :****SEARCHING FOR****Consortium to join :** Oui**One or more african partners :** Oui**One or more european partners :** Oui**Partner profile searched :****Will ask funds to :**

Theodore N. Djeni

Name : Theodore N. Djeni

Contact : tdjeni@gmail.com

Represent team from : africaine

Country : Côte d'Ivoire

Organisation : Université Nangui ABROGOUA

Part of a consortium : Non

Consortium complete and eligible : Non

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Oui

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Oui

Topic 3. Improving financing mechanism and institutional integration of climate service: Oui

Keywords : Déchets, biotechnologie, Resilience climatique, emplois

Tentative title of research project : BIOCLIM-WASTE : Valorisation des déchets organiques pour la résilience climatique en Afrique de l'Ouest

Tentative project summary : Face aux défis climatiques croissants en Afrique de l'Ouest, BIOCLIM-WASTE propose une solution innovante qui transforme un problème en opportunité. Notre projet valorise les 50 millions de tonnes de déchets organiques produits annuellement dans la région pour créer un écosystème intégré de services climatiques, d'énergie propre et de sécurité alimentaire. En combinant nos savoirs traditionnels avec les biotechnologies modernes, nous développons des systèmes d'alerte précoce basés sur l'activité microbienne des déchets organiques, tout en créant des emplois verts et des revenus durables pour nos communautés.

Research area : Côte d'Ivoire

SEARCHING FOR

Consortium to join : Non

One or more african partners : Oui

One or more european partners : Oui

Partner profile searched : Les organisation recherchée peuvent être des Institutions d'enseignement supérieur et de recherche, des ONG, des coopératives de producteurs avec des expertises suivantes:

- Modélisation climatique régionale et formation des climatologues
- Validation scientifique des services climatiques hyperlocaux
- Recherche agricole et engagement communautaire
- Test et validation des biofertilisants sur cultures locales
- Formation des biotechnologistes ouest-africains
- Partenaire opérationnel pour l'implémentation communautaire
- Expertise en gouvernance coopérative et autonomisation économique
- Technologies IoT et capteurs adaptés aux conditions tropicales
- Évaluation d'impact socio-économique et politique publique
- Connexion aux réseaux internationaux de recherche agricole

- Développement des mécanismes de financement climatique
- Accès aux marchés carbone internationaux

Will ask funds to : FONSTI

KOUADIO KONAN ARISTIDE

Name : KOUADIO KONAN ARISTIDE

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Represent team from : africaine

Country : Côte d'Ivoire

Organisation : CEA-GROUPE S.A

Part of a consortium : Non

Consortium complete and eligible : Non

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Oui

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Oui

Topic 3. Improving financing mechanism and institutional integration of climate service: Non

Keywords : Services climatiques communautaires; Agriculture intelligente face au climat; Systèmes d'alerte précoce; Recherche participative; Résilience des producteurs agricoles

Tentative title of research project : AGRI-CLIMAT : Co-construction de services climatiques communautaires pour l'adoption de pratiques agricoles intelligentes face au climat

Tentative project summary : Le projet AGRI-CLIMAT vise à renforcer la résilience des petits producteurs agricoles face au changement climatique en Afrique de l'Ouest, en co-développant des services climatiques communautaires simples, accessibles et fondés sur des connaissances scientifiques et locales. Mis en œuvre dans trois zones agroécologiques rurales de Côte d'Ivoire, le projet adopte une approche transdisciplinaire et participative pour améliorer la planification agricole, réduire les risques liés aux aléas climatiques (sécheresse, pluies extrêmes, vagues de chaleur) et promouvoir l'agriculture intelligente face au climat.

Le projet comporte quatre axes principaux :

1. Une cartographie participative des vulnérabilités agroclimatiques locales, croisant données scientifiques et savoirs endogènes ;
2. Le développement et le test d'un système d'alerte agroclimatique multicanal (SMS, radios communautaires) adapté aux besoins des producteurs ;
3. L'évaluation de l'impact des services climatiques sur les pratiques agricoles, les rendements, et la prise de décision des producteurs ;
4. La valorisation scientifique et institutionnelle des résultats à travers des publications, ateliers multi-acteurs et recommandations politiques.

Research area : Côte d'Ivoire

SEARCHING FOR

Consortium to join : Oui

One or more african partners : Oui

One or more european partners : Oui

Partner profile searched : Partenaire européen :

Compétences attendues :

- Participation à des projets européens sur le climat ou la résilience

- Réseau actif dans les mécanismes de coopération Afrique-Europe
 - Intérêt pour le travail en contexte africain et approche Sud-Nord équitable
- Partenaires scientifiques / académiques (Afrique de l'ouest & Europe) :
- Type : Universités, centres de recherche, instituts techniques, laboratoires.
- Compétences attendues :
- Apport méthodologique, appui à la Co-construction des services climatiques nationaux ou internationaux
 - Études d'impact, modélisation climatique, systèmes d'alerte
 - Formation, encadrement, production scientifique
 - Expertise scientifique confirmée dans au moins un des axes du projet
- Partenaires institutionnels ou décideurs :
- Type : Agences météorologiques, ministères, plateformes nationales d'adaptation, etc.
- Compétences attendues :
- Faciliter l'intégration des services climatiques dans les politiques publiques
 - Accompagner l'appropriation institutionnelle et la durabilité des résultats
 - Capacité de plaidoyer / influence des politiques publiques
 - Représentation officielle dans les mécanismes de planification nationale ou régionale
- Will ask funds to : FONSTI**

Mariam Baba Abdulahi

Name : Mariam Baba Abdulahi

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Represent team from : Africa

Country : Ivory Coast

Organisation : Fondation Agriterra

Part of a consortium : No

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: Yes

Keywords : Farmer organization-led, farmer service center, technical assistance, climate smart agriculture, climate insurance

Tentative title of research project : Climate Resilience from the Ground Up: Farmer Organization-Led Service Centers for Risk Reduction in West Africa

Tentative project summary : In Côte d'Ivoire, farmer organizations face significant challenges in delivering consistent, tailored climate and agricultural services to their members. The absence of dedicated service structures limits their ability to coordinate timely training, disseminate relevant information, and provide technical support—all of which are essential for building resilience to climate shocks in rural farming communities. As a result, smallholder farmers remain vulnerable to increasingly unpredictable weather patterns and climate-related risks.

Our project proposal seeks to strengthen climate resilience in West African smallholder farming systems by leveraging the institutional power of farmer organizations to lead the delivery of climate services. Through the establishment of cooperative-led Farmer Service Centers (SCs), the project will localize and decentralize early warning systems, technical assistance, and advisory tools that are often disconnected from grassroots needs. Each SC will act as a decentralized hub offering real-time climate information, training in climate-smart agriculture, and pathways to financing and insurance. The project adopts an inclusive, co-designed approach to integrate local knowledge, earth observation data, and digital tools to reduce climate-related risks—particularly drought, flooding, and pest outbreaks. Anchored in farmer networks and supported by transdisciplinary expertise, the initiative will enhance the adaptive capacity of at least 3,000 smallholders while generating a scalable model for policy integration and institutional mainstreaming of user-centered climate services.

Research area : Ivory Coast

SEARCHING FOR

Consortium to join : Yes

One or more african partners : No

One or more european partners : No

Partner profile searched : Agricultural technology (agritech), financial, and insurance institutions, Non-Governmental Organizations (NGOs)

Will ask funds to : FONTSI 9Ivory Coast), ANR (France), BMBF/DLR (Germany), BELSPO (Belgium)

Mali

Désiré Ballo

Name : Désiré Ballo

Contact : d.ballo@malifolkecenter.org

Represent team from : africaine

Country : Mali

Organisation : Mali-Folkecenter Nyetaa

Part of a consortium : Non

Consortium complete and eligible : Non

Other partners from : Mali, Burkina Faso, Norvège

PROJECT

Topic 1.Improving Early Warning Systems: Oui

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Oui

Topic 3. Improving financing mechanism and institutional integration of climate service: Oui

Keywords : Services climatiques; Résilience communautaire; Alerte précoce; Adaptation au climat; Innovation sahélienne

Tentative title of research project : Alerte Locale et Engagement Résilient pour la Transition Écologique

Tentative project summary : Le projet ambitionne de renforcer la résilience climatique et sociale des communautés vulnérables dans deux pays sahéliens – le Mali et le Burkina Faso (de préférence) – en co-développant et en déployant des services climatiques communautaires, intelligents et intégrés, afin de prévenir les risques liés aux aléas climatiques, à la sécurité hydrique et à la pression socio-territoriale.

S'inscrivant dans une démarche transdisciplinaire et multipartite, le projet favorisera la production et l'utilisation de services climatiques localisés (bulletins météo agro-pastoraux, alertes sécheresse/inondation, scénarios de conflits liés à l'eau ou aux cultures), tout en développant des capacités locales d'anticipation, d'adaptation et de gouvernance partagée du climat.

Le projet cible des zones rurales et périurbaines dans les deux pays, aujourd'hui, affectées par des chocs climatiques de plus en plus fréquents et intenses, ainsi que par des tensions sécuritaires. Il mettra l'accent sur l'inclusion des jeunes, des femmes et des collectivités locales, en combinant innovation technologique (capteurs, plateformes digitales) et innovation sociale (clubs climat, formations, dialogues multi-acteurs).

Research area : Mali, Burkina Faso

SEARCHING FOR

Consortium to join : Oui

One or more african partners : Oui

One or more european partners : Oui

Partner profile searched : Institutions de recherche et/ou ONG norvégiennes travaillant sur les questions climatiques

Will ask funds to : Agence Norvégienne

Netherlands

Nacho Villar

Name : Nacho Villar

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Represent team from : Europe

Country : Netherlands

Organisation : Netherlands Institute of Ecology NIOO-KNAW

Part of a consortium : No

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: No

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : climate-smart ecosystem management; nature-based solutions; biodiversity

Tentative title of research project : Climate-smart ecosystem management opportunities for Climate Risks reduction

Tentative project summary : Climate-smart ecosystem management can provide effective nature-based solutions to adress some climate risks in a variety of scenarios. I am interested in partnering in projects that harness such potential in order to identify win-win scenarios for climate risk reduction and biodiversity.

Research area : Any

SEARCHING FOR

Consortium to join : Yes

One or more african partners : No

One or more european partners : No

Partner profile searched : Any organization/consortium interested in research/implementation of climate-smart ecosystem management for climate risk reduction.

Will ask funds to :

Niger

Ibrah SEIDOU SANDA

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Represent team from : Africa

Country : Niger

Organisation : AGRHYMET CCR-AOS

Part of a consortium : Yes

Consortium complete and eligible : No

Other partners from : Niger

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: Yes

Keywords : xxx yyy zzz

Tentative title of research project : xxx

Tentative project summary : xxx

Research area : xxx

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : Yes

Partner profile searched : xxx

Will ask funds to : xxx

Nigeria

Ortyom Neer

Name : Ortyom Neer

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Represent team from : Africa

Country : Nigeria

Organisation : National Commission for Museums and Monuments

Part of a consortium : No

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : Soil Health, Sustainable Agriculture and Heritage conservation

Tentative title of research project : Mitigation of Climate Change Impact on Cultural Heritage Sites in Nigeria

Tentative project summary : This project is borne out of the need to safe guard our heritage and protect it from damage, tear and other associated mutilated factors that destroys heritage sites, these are factors such as drought, storms and flood etc.

Generally speaking the idea of seeking for solution-based collaborative action to safeguard our collective heritage was started in 2019 during the COP25 in Madrid, Spain. This United Nation Framework Convention Conference on Climate Change (UNFCCC) was aimed at protecting and preserving our cultural heritage through climate change mitigation.

In Nigeria, We have carried out Climate Vulnerability Index on Sukur Cultural Landscape site, a UNESCO heritage site since 1999. This site has suffered from climate related disasters over time, ranging from flood, storm etc, all of which have destroyed the economy of the residents of the area around Sukur which is mainly agriculture and a people whose main economy is dependent on rain fed agriculture.

This project is aimed at introducing organic fertilizer application for a sustainable means of agriculture to the inhabitants of Sukur, this form of farming will make it possible for conservation of soil by ensuring that the health of the soil remains intact during and after farming, it will also create room for biodiversity conservation.

This regenerative agriculture will contribute in no little measure to climate change mitigation.

Research area : Germany

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : Yes

Partner profile searched : Heritage Managers, Sustainable agriculture experts.

Stanley Emegbusim

Name : Stanley Emegbusim
Contact : penpilotsolutions@gmail.com
Represent team from : Africa
Country : Nigeria
Organisation : Private (For Profit)

Part of a consortium : No
Consortium complete and eligible : No
Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes
Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes
Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : Early Warning Systems; Climate Security Risk Assessment; Agro-Climatic Resilience; Nigeria; Community-Based Climate Services

Tentative title of research project : Climate-Intelligent Early Warning and Risk Prevention System for Resilient Agro-Livelihoods in Nigeria

Tentative project summary : This project aims to enhance climate resilience and food security in Nigeria by strengthening early warning systems and improving operational risk assessments linked to climate-induced security threats. By leveraging localized climate data, indigenous knowledge, and predictive analytics, the project will co-develop a user-centered early warning framework tailored for smallholder farming communities and local decision-makers. It will integrate geospatial risk mapping, real-time weather intelligence, and community-based response protocols to anticipate and mitigate climate-driven shocks, such as floods, droughts, and resource-based conflicts. Special emphasis will be placed on co-production of climate services involving local actors, researchers, and institutions to ensure relevance, ownership, and sustainability. The project will also build capacity at institutional and community levels to operationalize risk information and embed climate-security responses into local development planning.

Research area : Nigeria

SEARCHING FOR

Consortium to join : Yes
One or more african partners : Yes
One or more european partners : Yes
Partner profile searched : Civil Society Organizations and NGOs with proven experience in community-based adaptation, disaster risk reduction, or early warning dissemination.
Will ask funds to :

Norway

Ashenafi Seifu Gragne

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Represent team from : Europe

Country : Norway

Organisation : Norwegian Institute for Water Research

Part of a consortium : Yes

Consortium complete and eligible : No

Other partners from : Ghana and Norway

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: Yes

Keywords : Climate Resilience, Risk Assessment, Climate Adaptation, Risk Forecasting, Co-production

Tentative title of research project : Integrated Climate Risk Management for Water, Food, and Ecosystems in West Africa

Tentative project summary : The project aims to co-develop and implement integrated climate services that enhance resilience to climate-induced risks across water, food, and ecosystem systems in Western Africa. By combining hydrological modeling, socio-economic analysis, ecosystem monitoring, and participatory governance, the project will deliver actionable tools and strategies for early warning, risk-informed planning, and sustainable resource management. Leveraging a transdisciplinary consortium - including experts in climate diagnostics, agroecology, environmental health, and policy integration-the project will address critical gaps in early warning systems, climate security risk assessment, and institutional capacity. The outcomes will support local communities, policymakers, and regional institutions in building adaptive capacity and reducing vulnerability to climate extremes.

Research area : The project focuses on the Volta Basin, a transboundary watershed spanning several West African countries.

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : Yes

Partner profile searched : We are seeking partnerships with European and West African organizations that bring complementary expertise. Preferred partners include universities, research institutes, and applied science centers with strengths in climate diagnostics, agroecology, and transboundary water resource management. In West Africa, we aim to collaborate with institutions actively engaged in the Volta Basin, to build on and/or complement ongoing efforts in climate risk

assessment, early warning systems, and community-based adaptation. Our goal is to co-develop climate services that are scientifically robust, locally grounded, and policy-relevant.

Will ask funds to : RCN

Ida Fuchs**Name :** Ida Fuchs**Contact :** ida.fuchs@ntnu.no**Represent team from :** Europe**Country :** Norway**Organisation :** NTNU**Part of a consortium :** No**Consortium complete and eligible :** No**Other partners from :****PROJECT****Topic 1.Improving Early Warning Systems:** No**Topic 2. Improving operational assessment and prevention of Climate Security Risks:** Yes**Topic 3. Improving financing mechanism and institutional integration of climate service:** No**Keywords :** Energy resilience, off-grid energy systems, renewable energy systems, microgrids**Tentative title of research project :** Energy Resilience**Tentative project summary :** I would like to work in energy resilience and energy for climate affected regions. Energy systems that can easily adapt to climate change and provide energy under climate change conditions. Additionally, these systems should be sustainable and not contributing to more climate change.**Research area :** Any**SEARCHING FOR****Consortium to join :** Yes**One or more african partners :** No**One or more european partners :** No**Partner profile searched :** Universities, companies, partners, ect.**Will ask funds to :**

Debhasish Bhakta

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Represent team from : Europe

Country : Norway

Organisation : Norwegian Institute for Water Research (NIVA)

Part of a consortium : No

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: Yes

Keywords : Earth Observation, AI, Mapping, Digitalization, Climate Resilience

Tentative title of research project : AI-Driven Earth Observation and Geospatial Intelligence for Climate Risk Mapping in West Africa

Tentative project summary : This project aims to develop a scalable, AI-powered framework for processing Earth Observation data to support climate risk assessment and decision-making in West Africa. Leveraging satellite imagery, machine learning, and advanced GIS techniques, the research will focus on mapping climate-related hazards such as flooding, drought, and land degradation. The project will also develop user-oriented digital tools and visual platforms to support stakeholders in climate adaptation planning. Collaborative work across African and European institutions will ensure relevance, local impact, and long-term capacity building.

Research area : Primarily West African countries (to be specified based on partnership), with a focus on areas facing climate hazards such as Sahelian zones and coastal flood-prone regions.

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : Yes

Partner profile searched : We are seeking partners from both Africa and Europe with expertise in: Climate science and adaptation Remote sensing and environmental monitoring GIS and spatial data analytics Software and platform development for climate services Stakeholder engagement and capacity building Preferred partners include universities, research institutes, national climate agencies, NGOs with field experience, and SMEs working with geospatial technology.

Will ask funds to :

Elyes Ahmed

Name : Elyes Ahmed
Contact : elyes.ahmed@sintef.no
Represent team from : Europe
Country : Norway
Organisation : Sintef Digital

Part of a consortium : No
Consortium complete and eligible : No
Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes
Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes
Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : digital twin, climate resilience, water-energy management, AI for early warning systems
Tentative title of research project : Digital Twin for Climate-Resilient Water and Energy Management

Tentative project summary : This project proposes the development of an AI-powered digital twin that integrates real-time climate data, digitized surface water and reservoir systems, and advanced hydrological simulations to optimize water-energy decision-making in West Africa under the increasing pressure of extreme weather events and climate variability. By combining artificial intelligence, climate services, and digital simulations of reservoir and surface water dynamics, the platform will deliver:

- (1) Early warning capabilities for floods, droughts, and water stress.
- (2) Operational tools for climate risk assessment.
- (3) Adaptive planning support for water and energy management across river basins and multipurpose reservoirs.

The digital twin will be co-designed with West African stakeholders, including policymakers, energy utilities, and local communities, ensuring relevance, usability, and long-term impact. It addresses regional needs and advances:

- (a) Enhancing understanding of how climate change affects surface water availability, reservoir operations, and their implications for energy and food security.
- (b) Building technical skills in AI, digital modeling, and simulation tools among regional experts and institutions.
- (c) Delivering an integrated decision-support system combining digitized hydrological infrastructure, real-time data assimilation, and AI-enhanced forecasting.

Research area : Mauritania, Mali, Niger

SEARCHING FOR

Consortium to join : Yes
One or more african partners : No
One or more european partners : No

Partner profile searched : Research Organization, foundations etc

Will ask funds to : Research Council of Norway

Sourangsu Chowdhury

Name : Sourangsu Chowdhury

Contact : sourangsu.chowdhury@cicero.oslo.no

Represent team from : Europe

Country : Norway

Organisation : CICERO Center for International Climate Research Oslo

Part of a consortium : No

Consortium complete and eligible : No

Other partners from :

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: No

Topic 3. Improving financing mechanism and institutional integration of climate service: No

Keywords : Heat and air pollution, Heat and Health Action Plans, Impact based EWS

Tentative title of research project : Impact of heat and air pollution in W.Africa: Evidence and solutions

Tentative project summary : To discuss upon being contacted

Research area : Togo; Nigeria; Benin; Cote d'Ivoire.. and other W. African countries

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : No

Partner profile searched : Researcher; government and private stakeholders;

Will ask funds to : RCN ++

Senegal

SARRE Oumar

Name : SARRE Oumar

Contact : oumsarre@gmail.com

Represent team from : africaine

Country : Sénégal

Organisation : N/A

Part of a consortium : Non

Consortium complete and eligible : Non

Other partners from : Sénégal Côte d'Ivoire

PROJECT

Topic 1. Improving Early Warning Systems: Oui

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Oui

Topic 3. Improving financing mechanism and institutional integration of climate service: Oui

Keywords : N/A

Tentative title of research project : N/A

Tentative project summary : N/A

Research area : Afrique de l'Ouest

SEARCHING FOR

Consortium to join : Oui

One or more african partners : Oui

One or more european partners : Oui

Partner profile searched : En tant que spécialiste en SE et rédacteur de projet, je cherche à rejoindre un partenaire pour la rédaction du projet.

Will ask funds to : N/A

NDIAYE Mamadou

Name : NDIAYE Mamadou

Contact : mamadoundiaye397@gmail.com

Represent team from : africaine

Country : Sénégal

Organisation : Institut Sénégalais de Recherches Agricoles(ISRA)

Part of a consortium : Oui

Consortium complete and eligible : Non

Other partners from : France

PROJECT

Topic 1.Improving Early Warning Systems: Oui

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Oui

Topic 3. Improving financing mechanism and institutional integration of climate service: Non

Keywords : IA, Machine Learning, alerte précoce, résilience des systèmes agricoles, sécurité alimentaire.

Tentative title of research project : Avancées novatrices en agritech au Sénégal : Surveillance des cultures dans les différentes région agroécologique du Sénégal utilisant des méthodes d'Intelligence Artificielles basées sur des données de terrain et des données d'Observations de la Terre

Tentative project summary : Face aux défis du changement climatique, de la dégradation des sols et de l'environnement, il est essentiel de surveiller attentivement les cultures à l'échelle des parcelles dans les différentes régions agroécologiques du Sénégal. Cela nécessite une révision des approches actuelles par la mise en œuvre d'outils de suivi des cultures. Ces outils se basent sur le développement de méthodes de Machine Learning utilisant des mesures directes et des données d'observation de la Terre. Bien que divers modèles aient été testés mondialement, apportant une certaine précision, ils présentent néanmoins des limites notables, notamment en termes d'adaptabilité au contexte changeant d'une région agroécologique à une autre et à l'échelle parcellaire. Faut-il noter que la non uniformité des conditions environnementales et climatiques dans les différentes régions agroécologiques est accentuée par l'effet des changements climatiques. Ce projet se concentre sur la création d'approche, de méthodes, algorithmes et outils de Machine Learning dans le but de contribuer à la résilience des systèmes agricoles dans un contexte de l'agriculture de précision. Cela garantirait une exploitation optimale et durable des ressources agricoles et assure ainsi la sécurité alimentaire. Dans ce cadre, il sera question de développer des méthodes et algorithmes open-source innovants de Machine Learning, spécifiquement adaptés aux différentes localités et qui intégreront toutes les informations spatiales et fonctionnelles fournies par les données, pour classifier les terres cultivées et non cultivées, les types de cultures ainsi que les différentes variétés au sein d'une même culture via leurs signatures spectrales, estimer les rendements et prédire les productions. Les approches permettront aussi de suivre à temps réel l'évolution de la croissance des plantes suivant des indices de végétations pour déceler des éventuels stress (alertes précoces) dus, entre autres, aux paramètres climatiques ou météorologiques. Ce suivi est particulièrement important pour assurer une production de qualité, à tous les niveaux, des semences de prébases, de bases et semences certifiées.

Research area : Sénégal

SEARCHING FOR

Consortium to join : Oui

One or more african partners : Oui

One or more european partners : Oui

Partner profile searched : Université et Institut de recherches spécialisées dans de le développement de solutions, utilisant l'intelligence artificielle, la télédétection, appliquées à l'agriculture de précision/agriculture intelligente.

Will ask funds to : BMFTR

United Kingdom

Katherine Kennedy

Name : Katherine Kennedy

Contact : katherine.kennedy@rpald.co.uk

Represent team from : Europe

Country : United Kingdom

Organisation : Risk & Policy Analysts Ltd (RPA).

Part of a consortium : No

Consortium complete and eligible : No

Other partners from : No partnerships developed yet. Looking to develop collaborative projects.

PROJECT

Topic 1.Improving Early Warning Systems: No

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: Yes

Keywords : Monitoring, Evaluation, Governance, Institutional strengthening, Programme management.

Tentative title of research project : RPA are Expert Consultants in Monitoring & Evaluation, Technical and Institutional Capacity Building, Stakeholder Management and Governance.

Tentative project summary : Looking to assist projects in developing effective and dynamic Monitoring & Evaluation projects and platforms in- intra- and post- project.

Research area : West African country partners, and African/European Research Institutions.

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : Yes

Partner profile searched : Research, Governmental and Civil Society Partners

Will ask funds to :

Henry Freeman

Name : Henry Freeman

Contact : henryfreeman@redcross.org.uk

Represent team from : Europe

Country : United Kingdom

Organisation : British Red Cross

Part of a consortium : No

Consortium complete and eligible : No

Other partners from : Tbc - but could potentially include any Red Cross National Society (i.e. all countries) or IFRC colleagues

PROJECT

Topic 1.Improving Early Warning Systems: Yes

Topic 2. Improving operational assessment and prevention of Climate Security Risks: Yes

Topic 3. Improving financing mechanism and institutional integration of climate service: Yes

Keywords : Tbc

Tentative title of research project : Tbc

Tentative project summary : Tbc

Research area : Tbc

SEARCHING FOR

Consortium to join : Yes

One or more african partners : Yes

One or more european partners : Yes

Partner profile searched : Tbc

Will ask funds to : Tbc