

RESALLIANCE

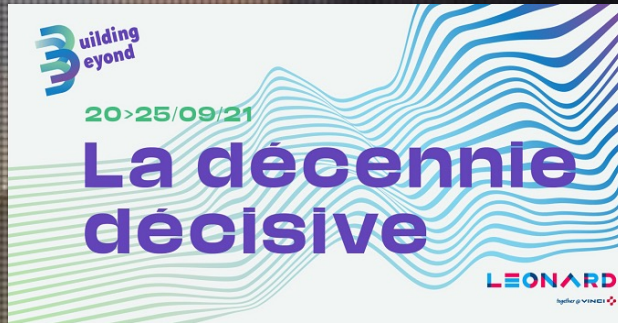
Consulting / Modelisation / Business Strategy

CLIMATE CHANGE



ADAPTATION

DESIGN, BUILD AND OPERATE YOUR RESILIENCE





AT STAKE: A NEED FOR CLIMATE CHANGE RESILIENCE

- Cities and infrastructures are facing **shocks** and **stresses** due to climate change
- Adaptation will cost **\$80 to \$100 Bn per year** and will be borne by urban areas



Source: [World Bank](#), 2016

“Shifts in our climate bring potentially profound implications for insurers, financial stability and the economy”

X4 cost of climate change (2015-2017 & 2016-2018 & 2018 2020)

« AN INCONVENIENT TRUTH »

750
Bn EUR / yr

Cost of flooding in costal cities

(World Bank, 2018)

700
Bn EUR /yr

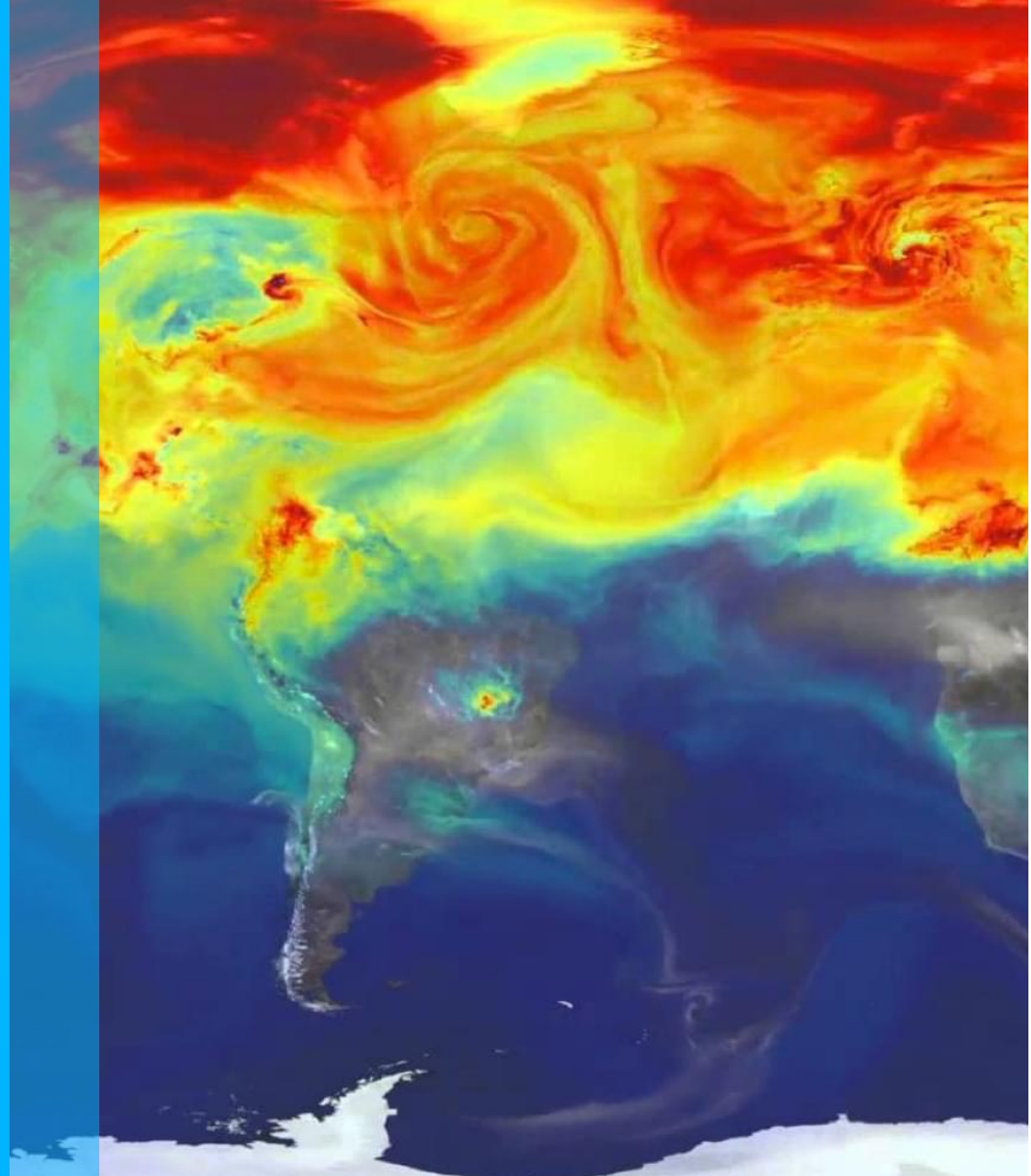
Investments by corporations to adapt their business models and assets

(OECD, 2018)

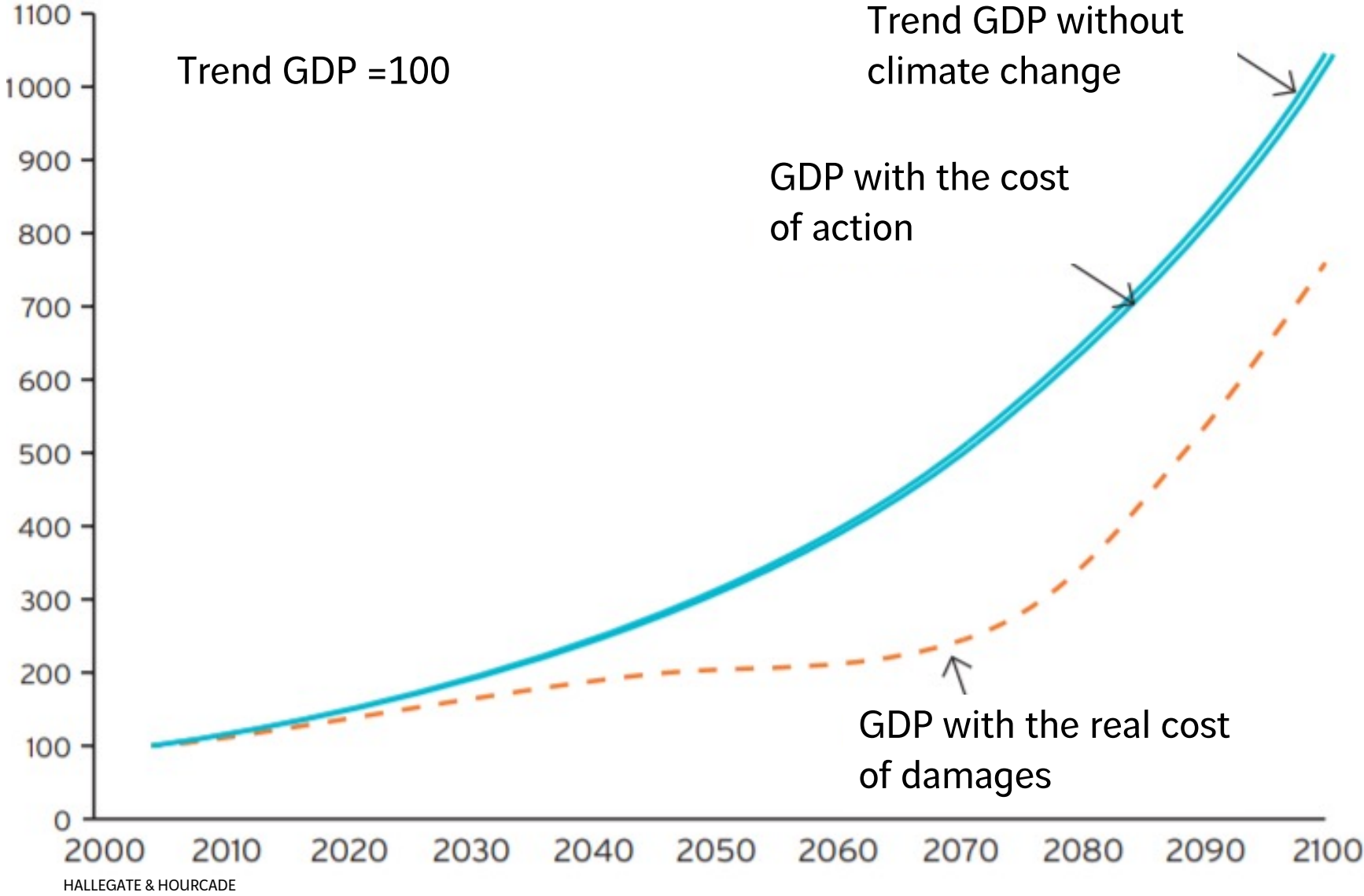
x4

Cost for the insurance sector from 2018 to 2020

(MCII)



ESTIMATION OF THE COST OF INACTION BETWEEN 15 AND 30% OF THE GLOBAL GDP





CONSULTING

- Vulnerability assessments and impact studies
- Technical and financial evaluation
- Training, audits and compliance



MODELLING

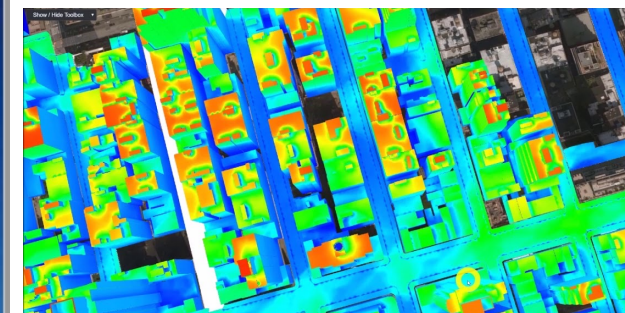
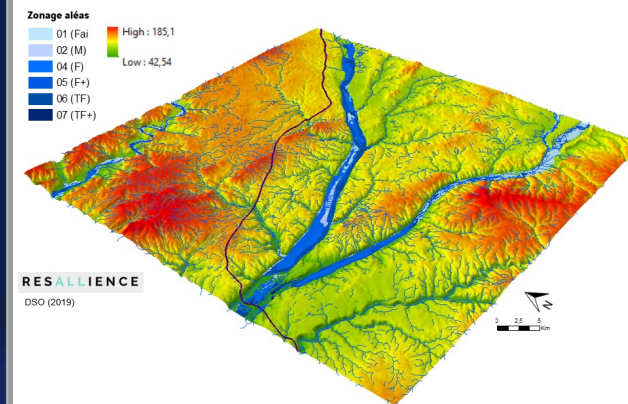
- Predictive maintenance and monitoring
- Weather and climate data services
- Functional engineering through stress tests



PROJECT COORDINATION

- Project management assistance
- Integration of technical solutions
- Coordination and collaborative engineering

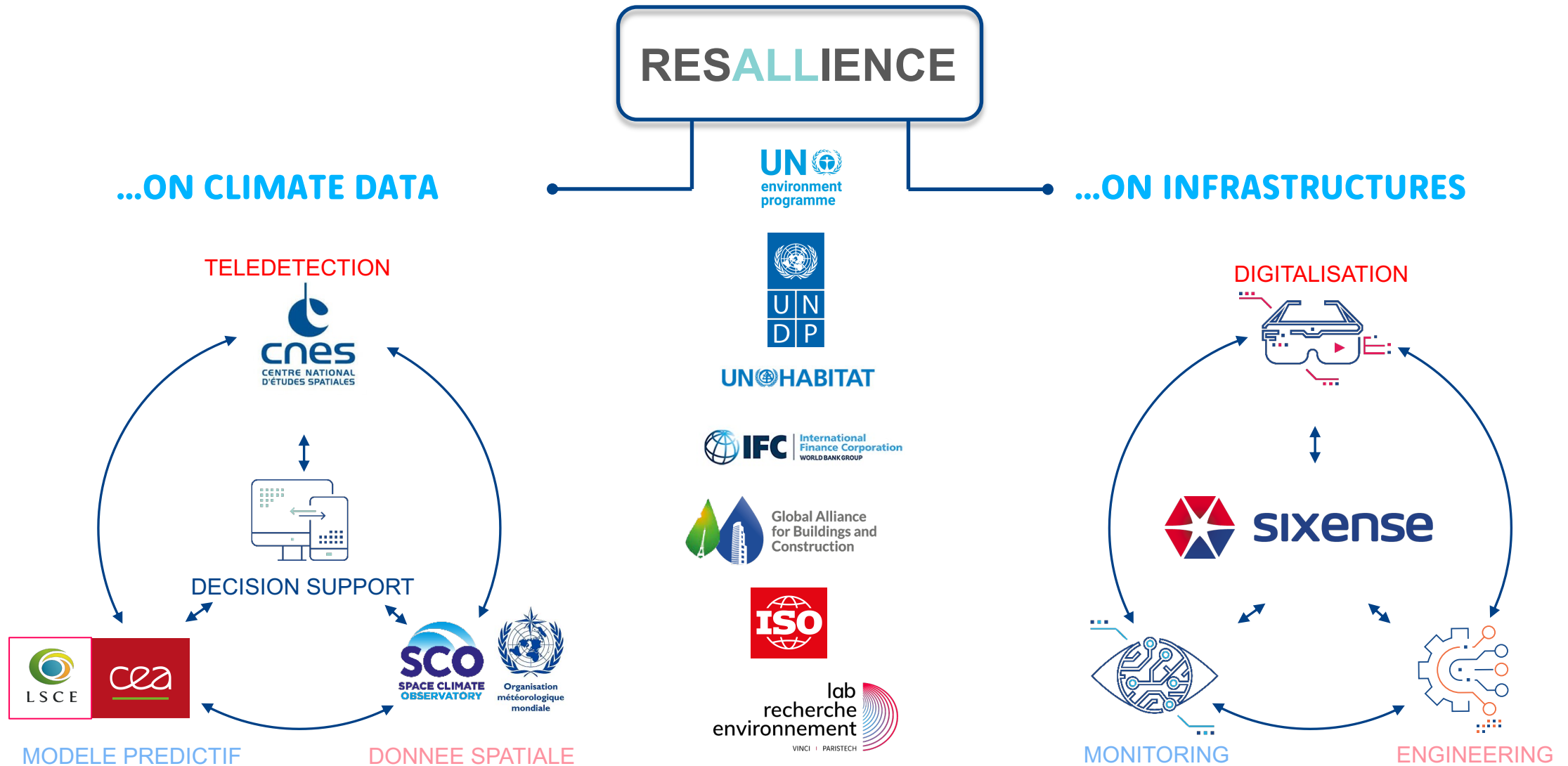
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INFRASTRUCTURE & CITY / INFRASTRUCTURES RESILIENCE ASSESSMENT

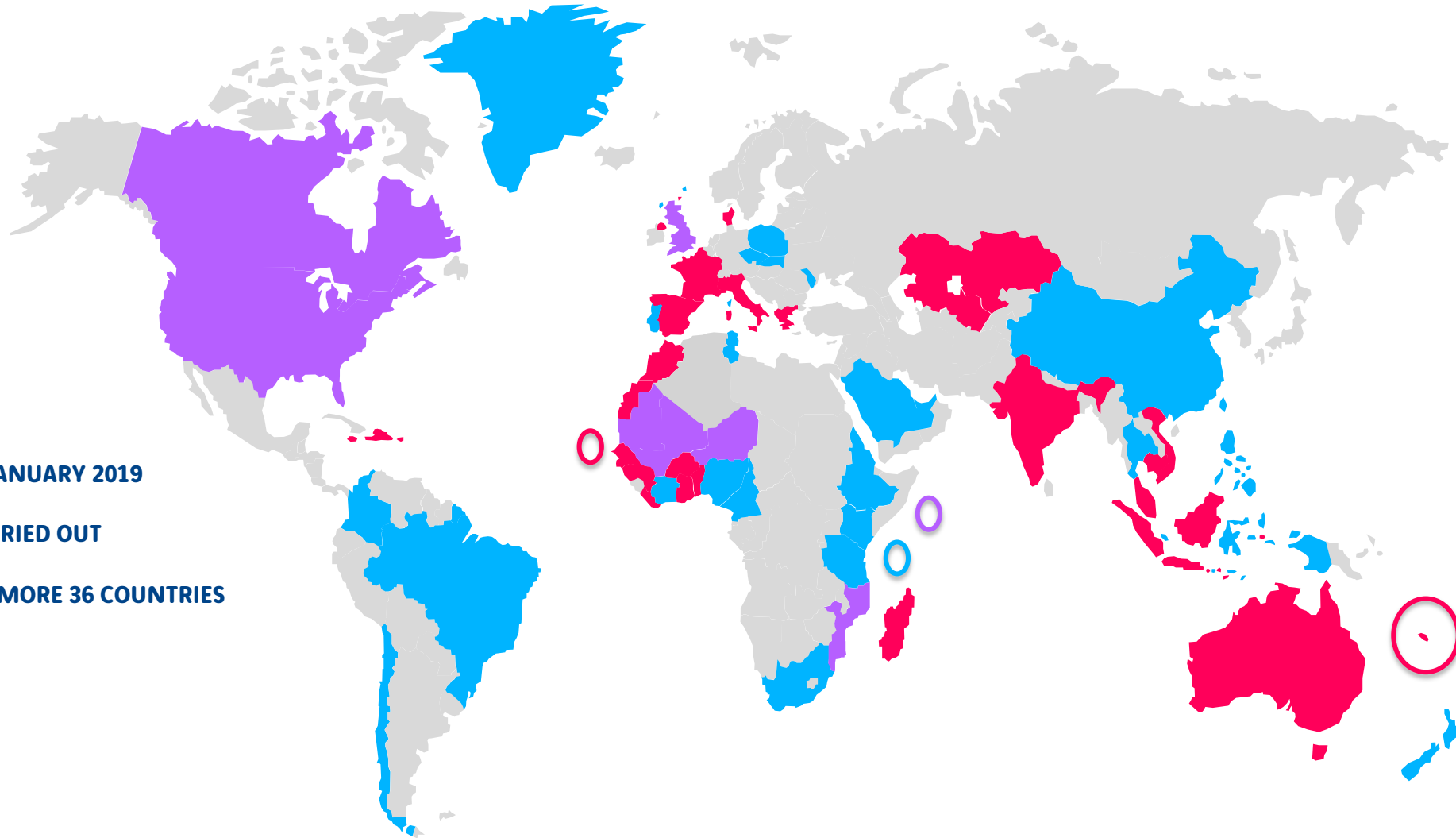


KEY PARTNERSHIPS



LOCATION OF PROJECTS

REALIZED, IN PROGRESS, FUTURE & UNDER DEVELOPMENT



KEY FIGURES SINCE JANUARY 2019

- 60 PROJECTS CARRIED OUT
- DISTRIBUTED IN MORE 36 COUNTRIES



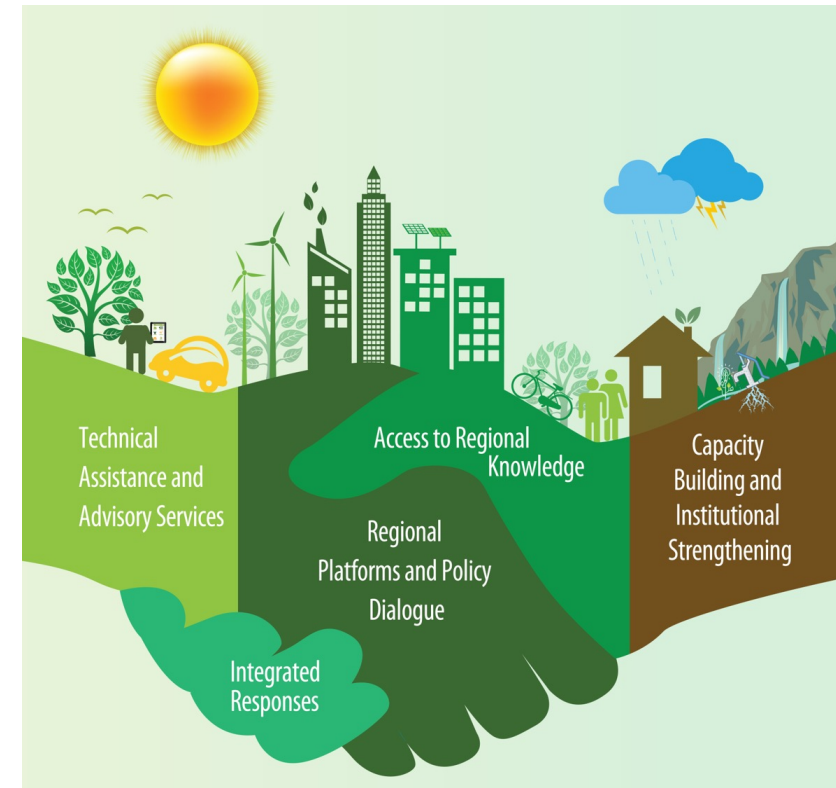
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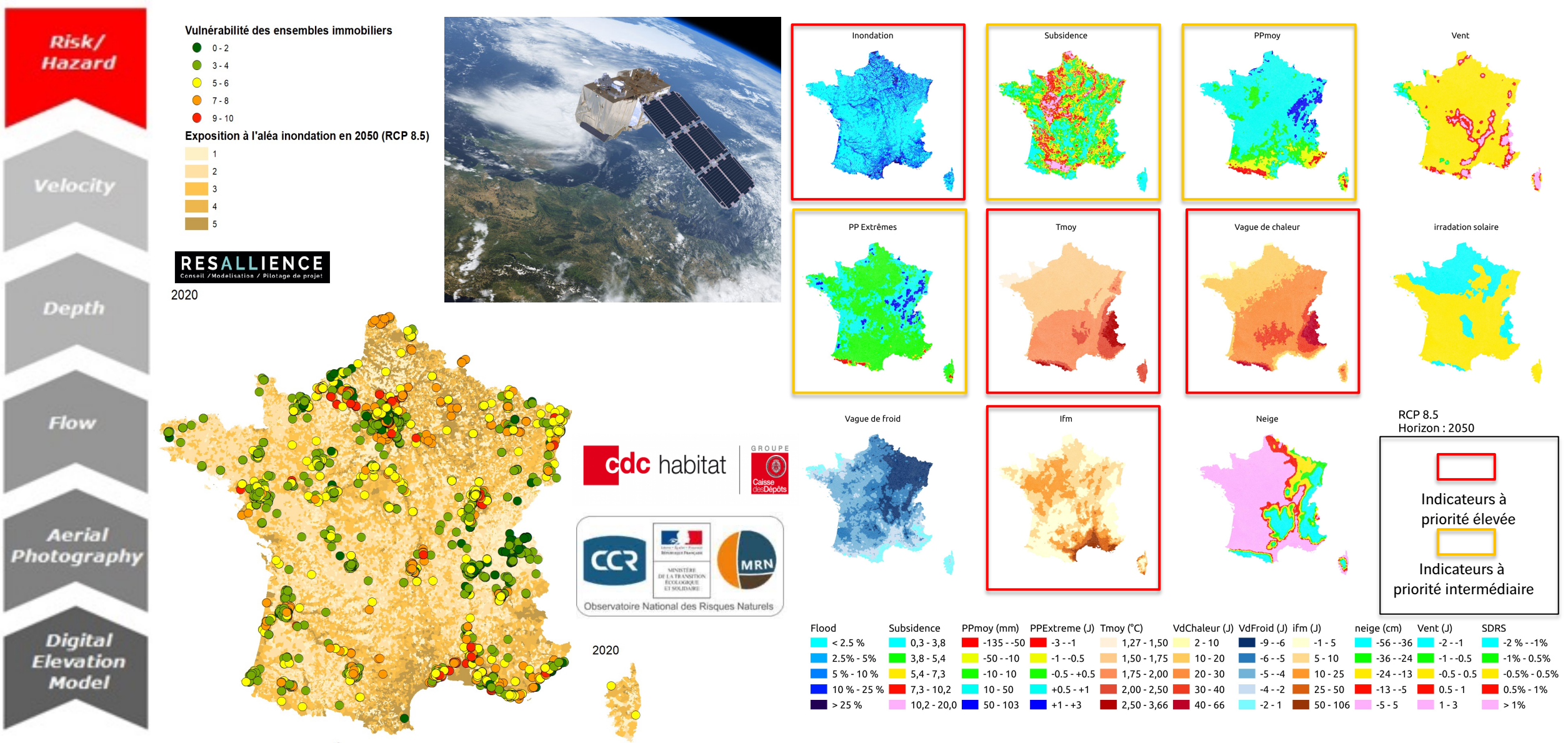
DES SATELLITES AU SERVICE DE LA TERRE

« Ils témoignent en temps réel des
changements climatiques »

(France TV)



A RESILIENCE PERFORMANCE ASSESSMENT TOOL OF REAL-ESTATE ASSETS



A DASHBOARD TO HELP PRIORITIZING FUTURE INVESTMENTS TO IMPROVE THE RESILIENCE OF REAL-ESTATE ASSETS

- ▶ Current state of risks for each building
- ▶ Qualify and quantify the current level of resilience
- ▶ Formulation of proposals and recommendations
- ▶ Cost/benefits analysis of these recommendations
- ▶ Assessment of the resilience improvement after recommendations

Resilience

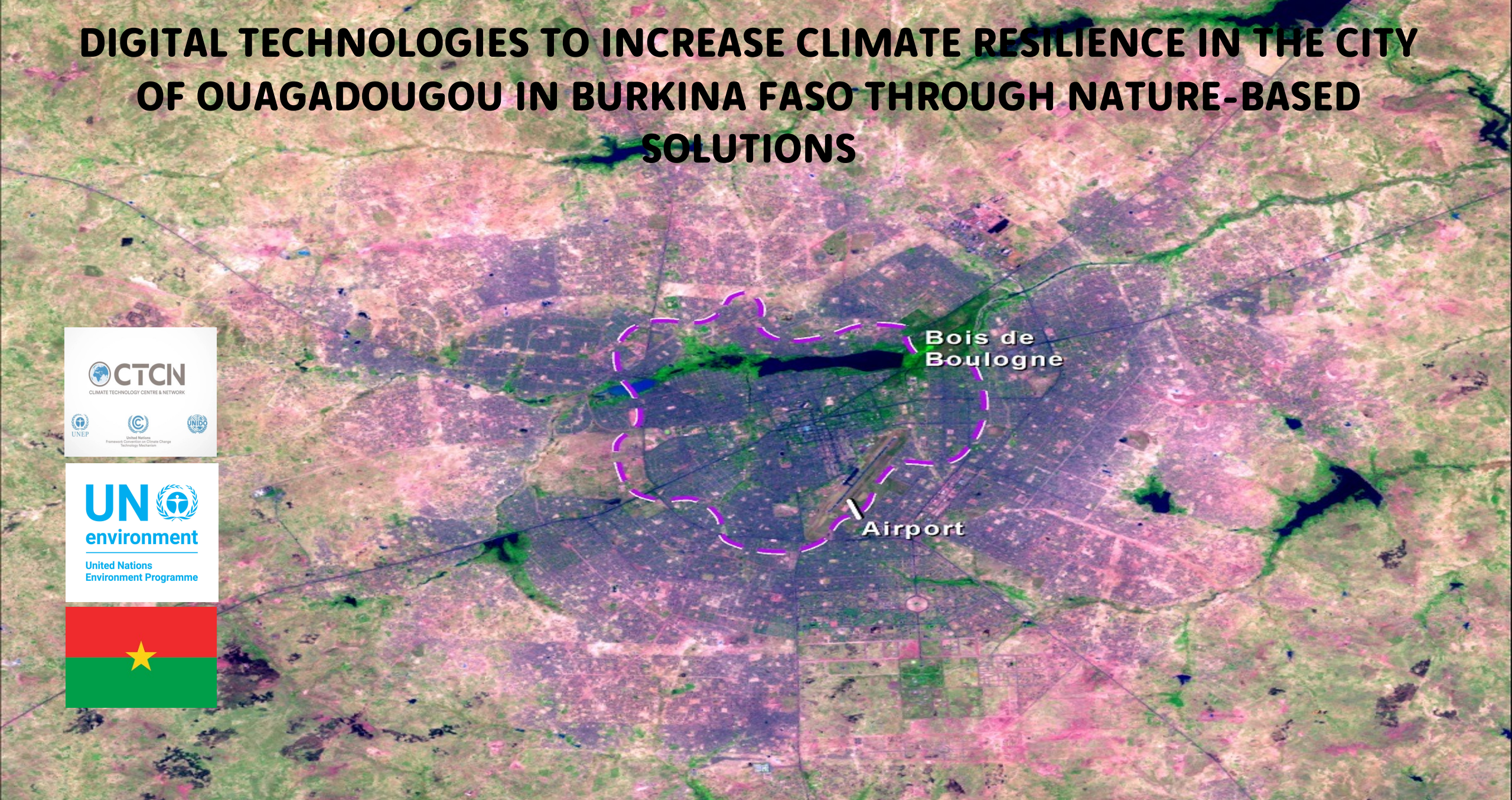


**Adaptation
actions**

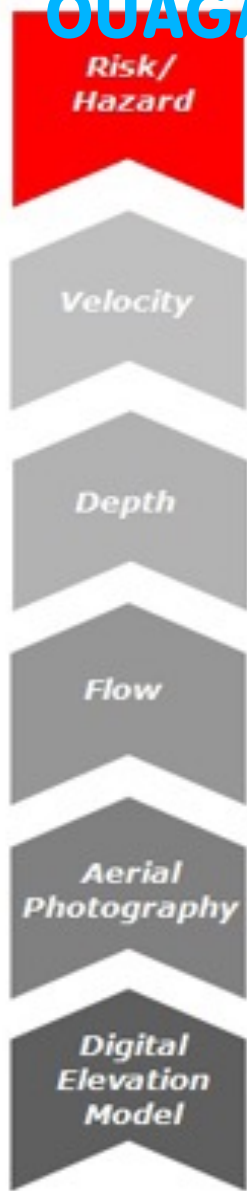
Criticality



DIGITAL TECHNOLOGIES TO INCREASE CLIMATE RESILIENCE IN THE CITY OF OUAGADOUGOU IN BURKINA FASO THROUGH NATURE-BASED SOLUTIONS

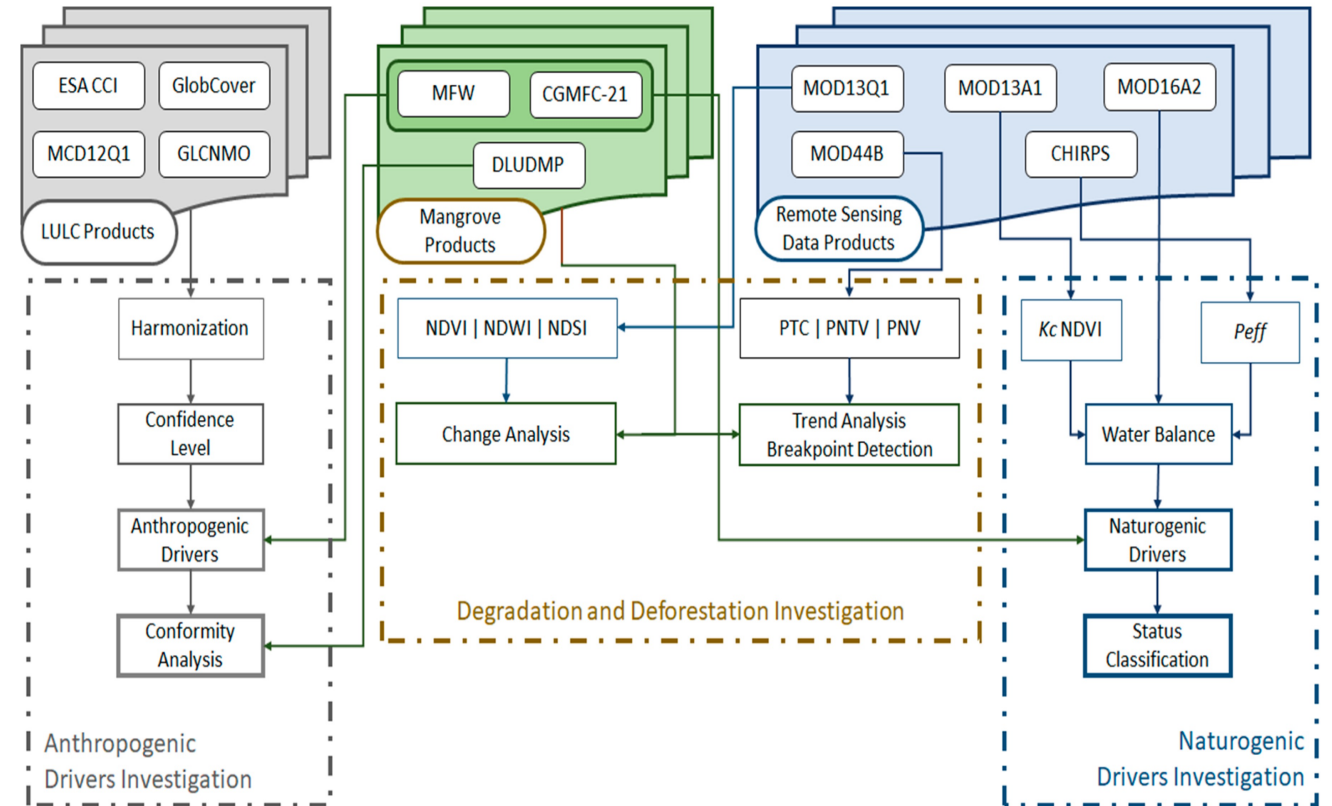


DIGITAL TECHNOLOGIES TO INCREASE CLIMATE RESILIENCE IN THE CITY OF OUAGADOUGOU IN BURKINA FASO THROUGH NATURE-BASED SOLUTIONS

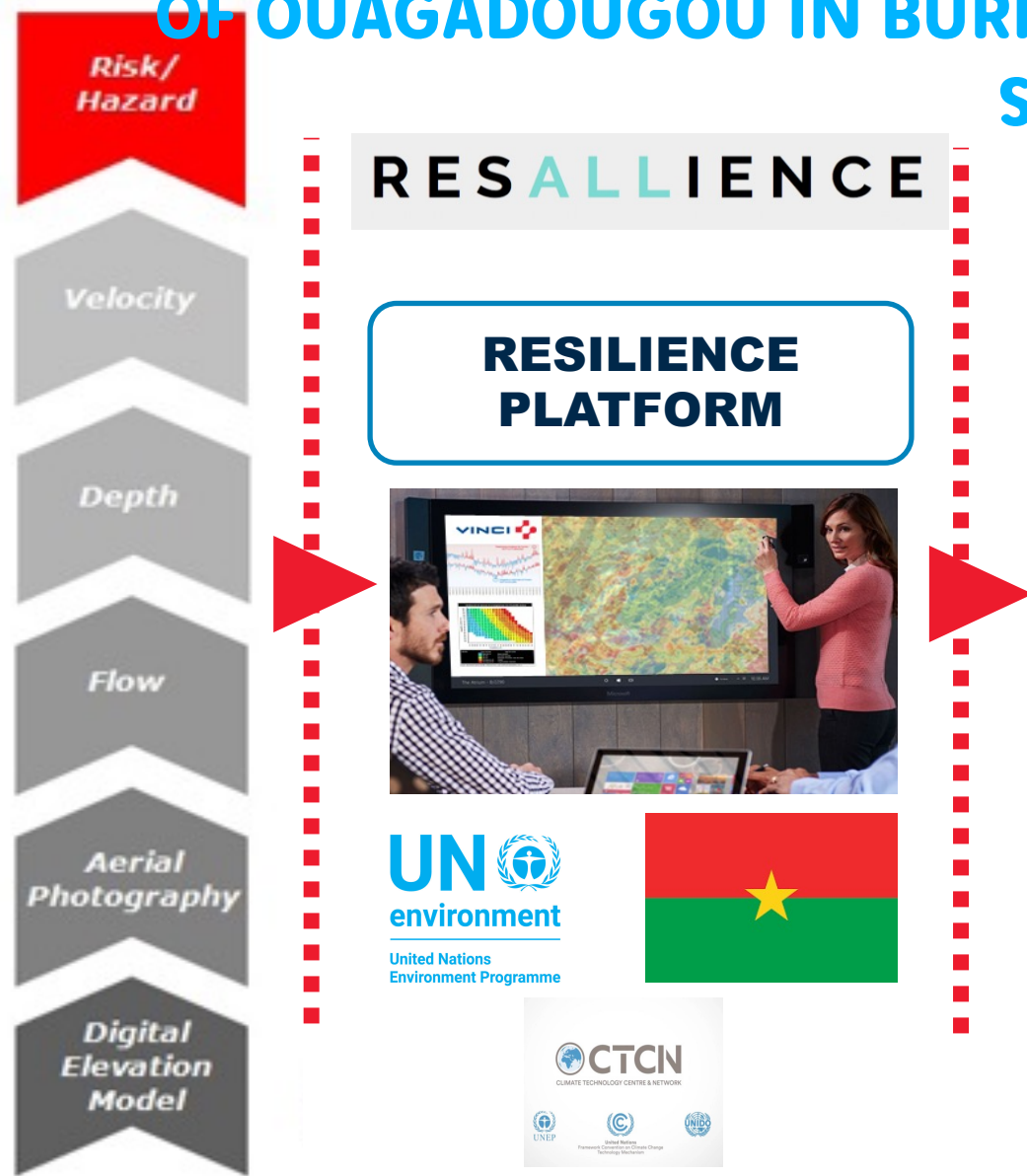


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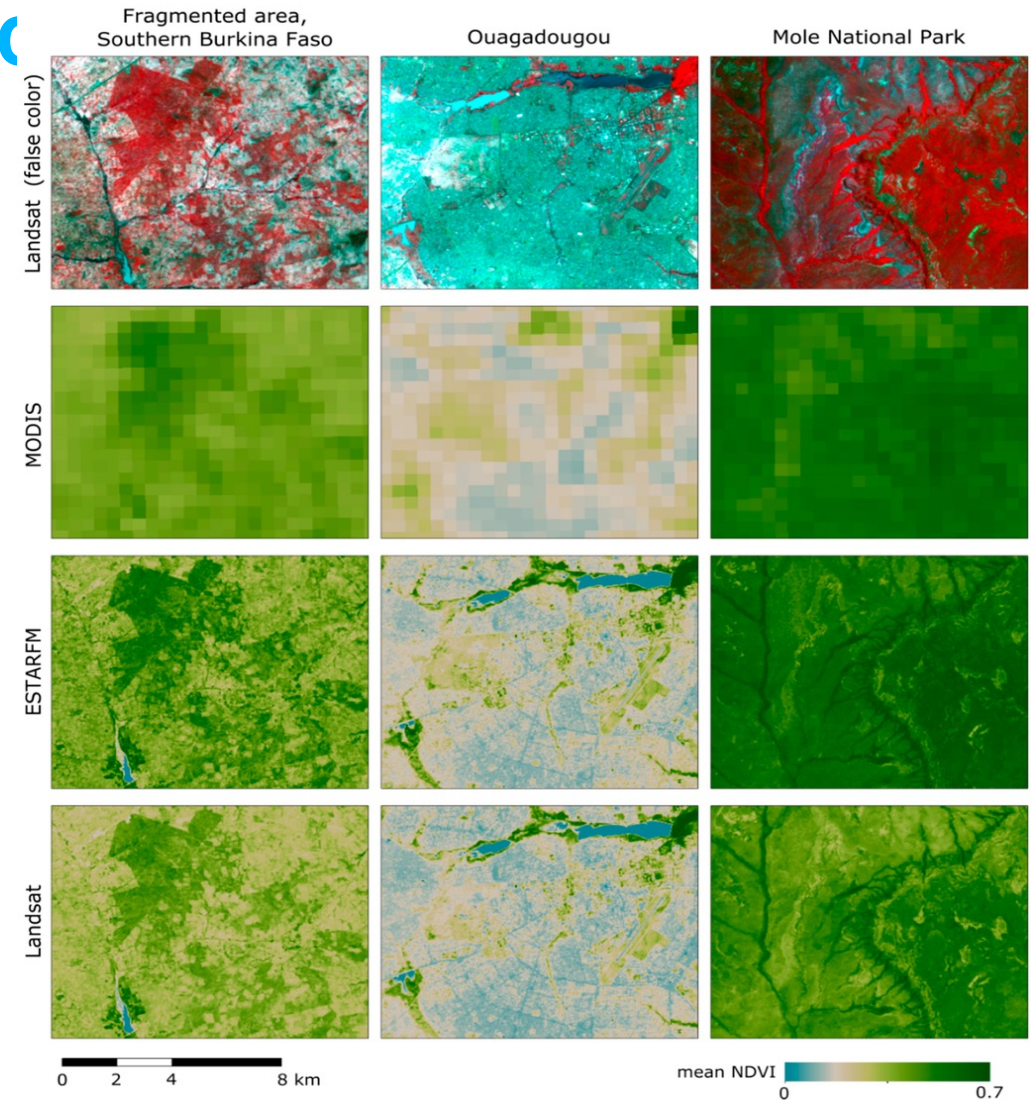
**RESILIENCE
PLATFORM**



DIGITAL TECHNOLOGIES TO INCREASE CLIMATE RESILIENCE IN THE CITY OF OUAGADOUGOU IN BURKINA FASO THROUGH NATURE-BASED SOLUTIONS



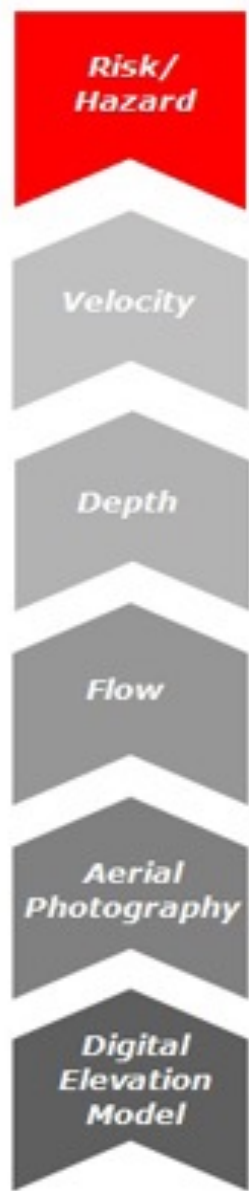
SOLUTIONS



ADAPTATION OF COASTAL CITIES IN WEST AFRICA TO CLIMATE CHANGE : USE CASE OF SAINT LOUIS DU SÉNÉGAL



MODELING OF COASTLINE PLANNING AND EROSION

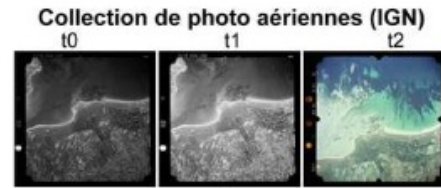


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RESILIENCE
PLATFORM



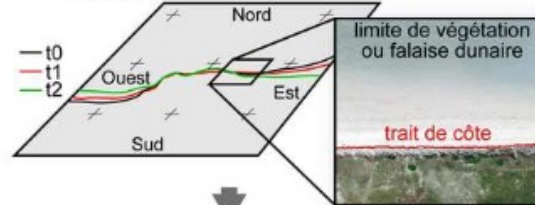
Sur les 60 dernières années...



Orthorectification et georeferencement des images



Numérisation du trait de côte



Calcul des changements
du trait de côte

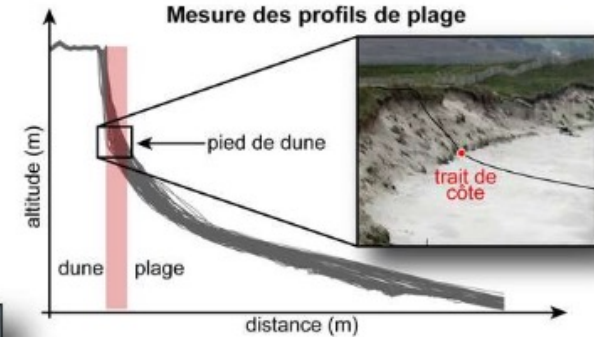


Sur les dernières années...

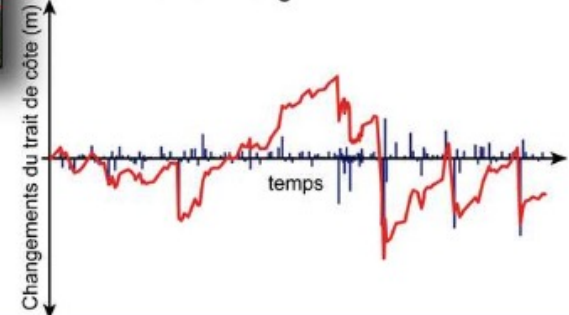
Suivis au tachéomètre et au GPS différentiel



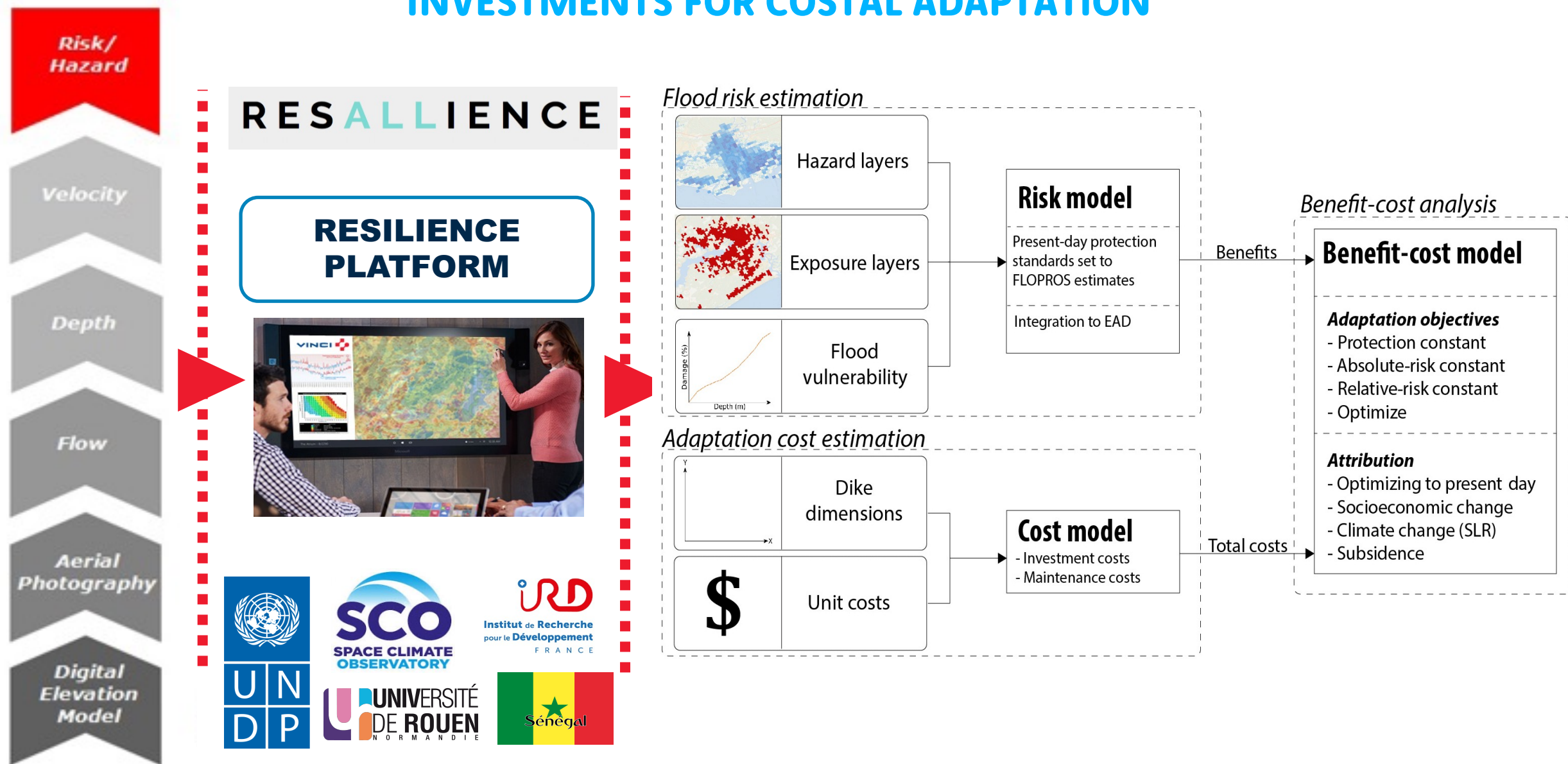
Mesure des profils de plage



Calcul des changements du trait de côte



FINANCIAL (CAPEX/OPEX) AND SOCIAL IMPACT MODELING AND SIZING OF INVESTMENTS FOR COSTAL ADAPTATION



GLOBAL UPSTREAM PLATFORM ON RESILIENCE FOR SMALL ISLANDS AND SMALL STATES

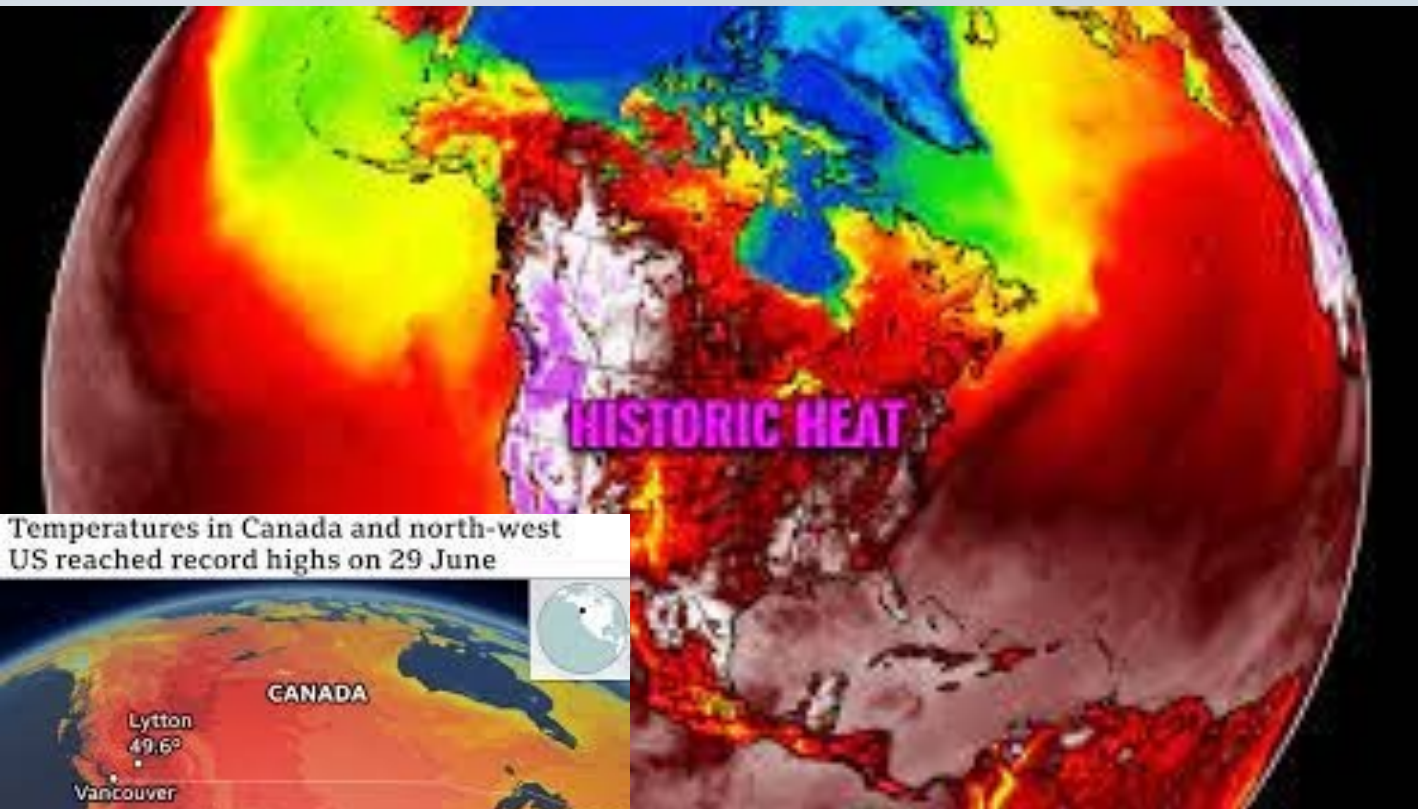
RESALLIANCE
by  sixsense

 **IFC**
International
Finance
Corporation
WORLD BANK GROUP

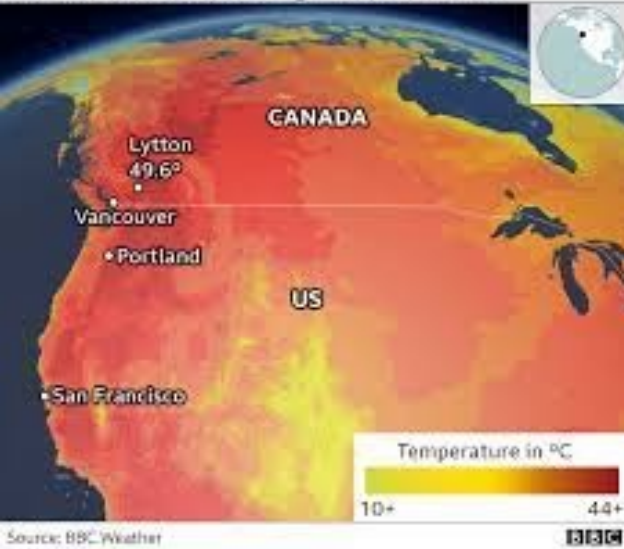
THE RPA : A TOOL TO VISUALIZE THE IMPACTS OF CLIMATE CHANGE ON INFRASTRUCTURES







Temperatures in Canada and north-west US reached record highs on 29 June





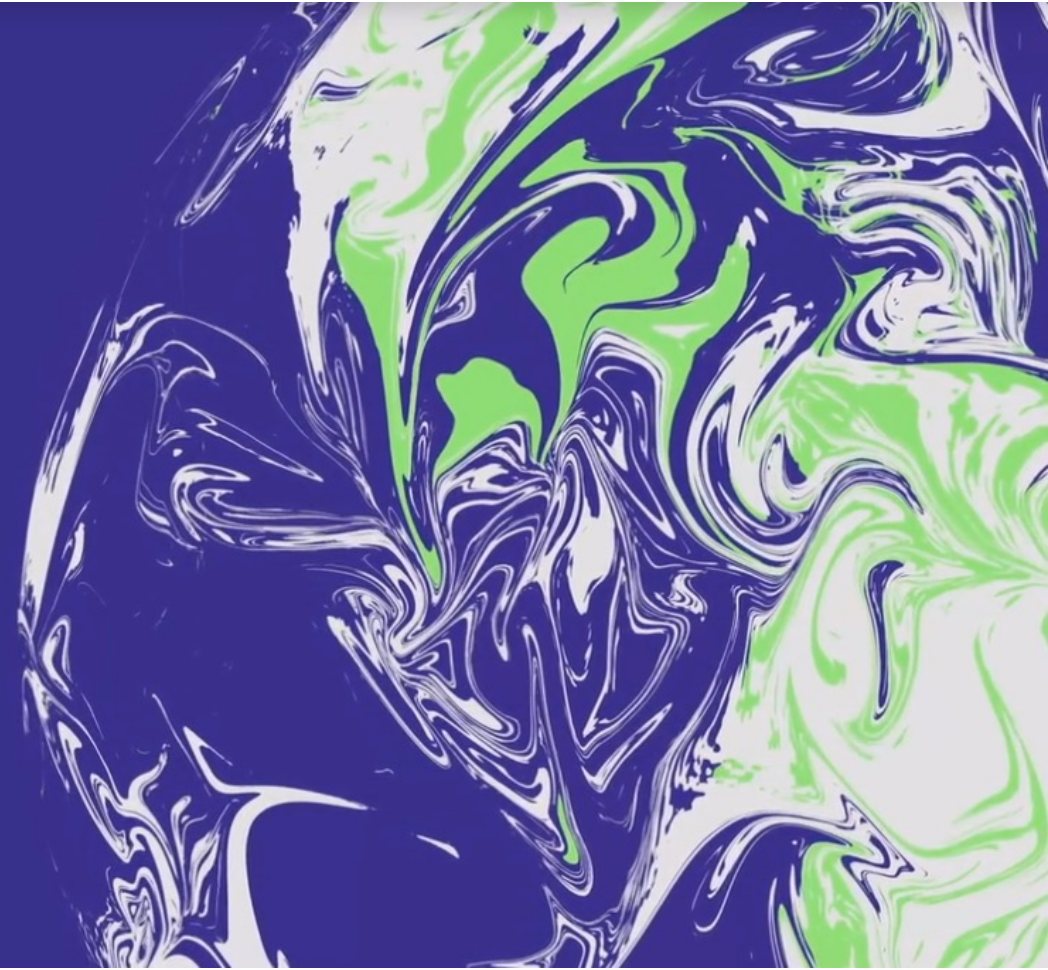
PARTICIPATION AND PRESENTATION OF RESALLIANCE 'S PROJECT AT COP26

01-12 NOV 2021
GLASGOW



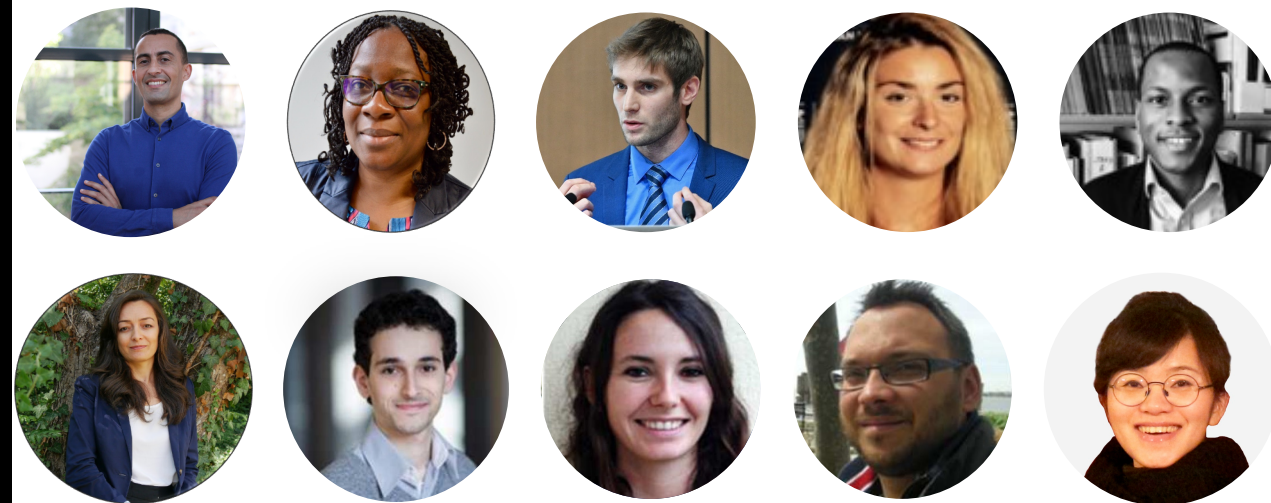
COP26

IN PARTNERSHIP WITH ITALY





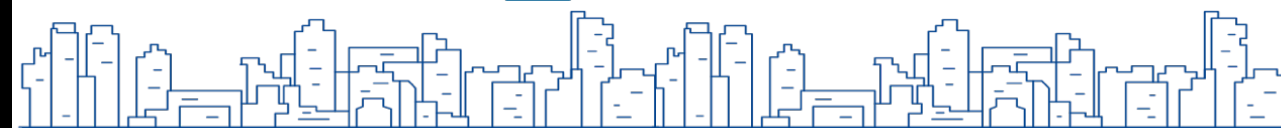
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