

COSPARIN ARTES Business Applications & Space Solutions (1/2)



Satellite imagery enables worldwide climate risk assessment for safe and efficient crisis management

- Saving lives and money with unrivalled flood risk monitoring service



Project overview

- Accurate real-time information is essential for crisis management during natural disasters
- **PREDICT services** developed a platform integrating **satellite imagery** for highly precise global flood risk monitoring and risk assessment to enhance real-time decision-making and provide actionable insights for decision-makers during crises
- ESA provided crucial support through **funding, project management and access to European satellite data** (e.g. Copernicus, DTM)

"This project had made it possible to better anticipate and manage climate risk: to deploy solutions in developing countries with few resources in terms of instrumentation, and to compensate for the lack of radar data and risk knowledge"

*Lahache Guillaume,
Engineer, Predict Services*

Benefits

- Enhances risk monitoring and cost-savings – insurance companies can anticipate events, assess potential damage, and reduce claims through improved risk analysis
- Protects livelihoods and infrastructure by providing real-time alerts and monitoring to help cities and countries prepare for extreme weather
- Provides access to high-accuracy climate data that is frequently updated to improve decision-making and crisis response
- Flexible, scalable solution for all users from governments to insurers that offers adaptable services, including API integration, to fit diverse needs



Project success



€240K
ESA + Industry
funding



DURING

1
Job created in
France

4
Partnerships
developed

BEYOND

€40k/year
Revenues since
project
completion

4
Additional jobs
created in France

16
Business
development
opportunities
with total value
~ €400k

6
Additional
partnerships

FUTURE GROWTH

1
Planned additional
BASS project to
enhance product

Spin-off new
products using
knowledge from
BASS project

Extend to users
requiring higher
accuracy



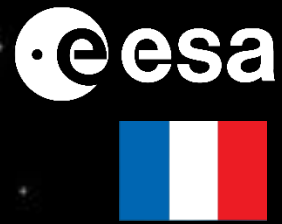
THEMATIC AREA

SAFETY & SECURITY



COSPARIN ARTES Business Applications & Space Solutions (2/2)

- Meteorologists in Mozambique improve risk assessment of tropical cyclones



National Institute of Meteorology of Mozambique: 3 years of use

Customer need

Tracking of storms and assessment of risks during tropical cyclone period in Mozambique



Solution

The platform provides estimations of wind and flood risk associated with tropical cyclones



Impact

- ✓ Tracking of cyclones, wind, and risk zones identifies focus areas of increased risk
- ✓ Provides decision making support through cross-referencing of data
- ✓ Assists with daily activities of meteorologists

Customer impact



THEMATIC AREA

SAFETY & SECURITY

