

Flood Foresight: Extending GloFAS for forecast-based financing and parametric insurance applications

Copernicus EMS Global Flood Forecasting and Monitoring Meeting

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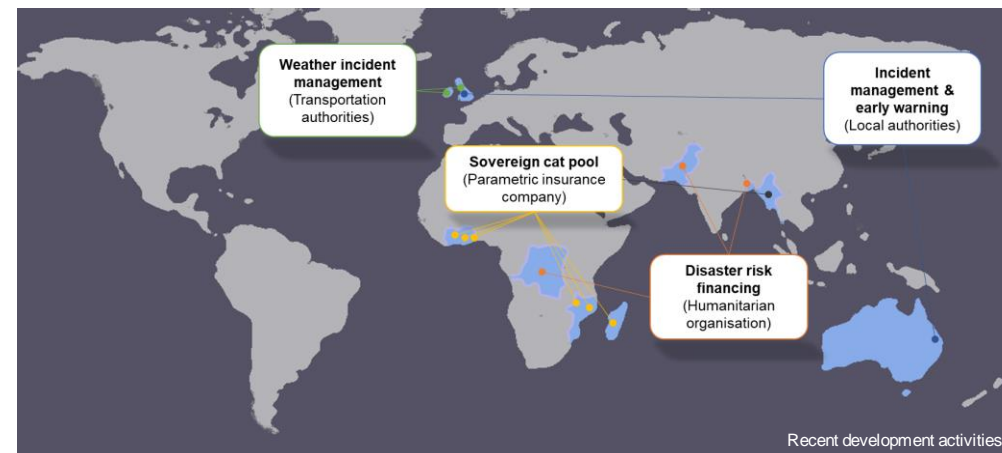
Disaster risk financing schemes

JBA is supporting development of DRF schemes around:

- **Humanitarian anticipatory action**
- **Parametric insurance**
- **Sovereign catastrophe risk pools**

We have available technology which allows us to move from global to local data and models:

- Global flood hazard data and cat. risk model
- Flood forecasting software and systems



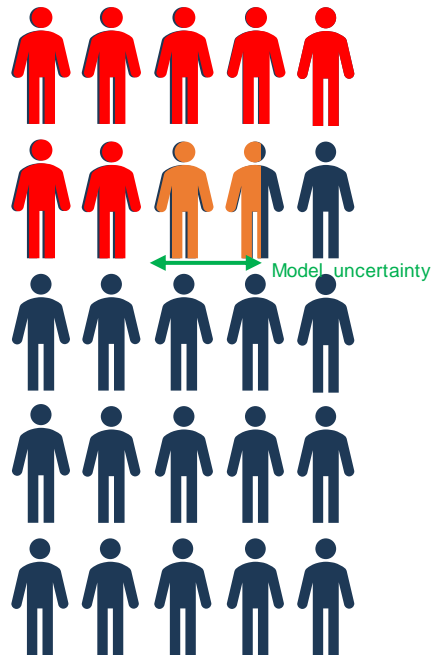
JBA's Global Flood Maps – global 30m flood hazard data



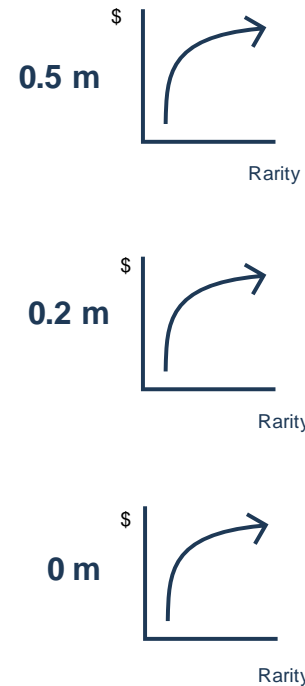
DRF scheme requirements

DRF schemes require:

Forecasts of no. people affected by floods



Profiles of flood risk



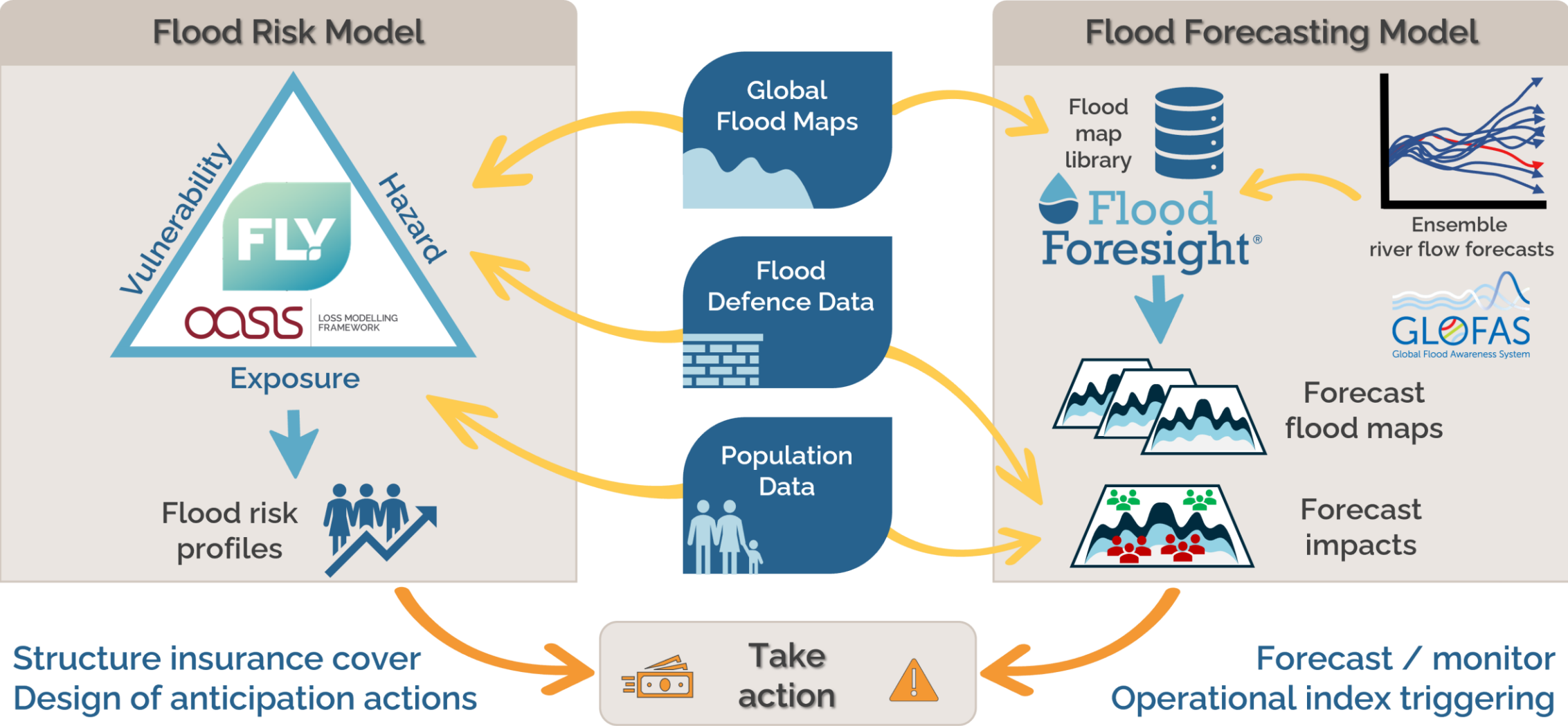
To be developed rapidly/efficiently



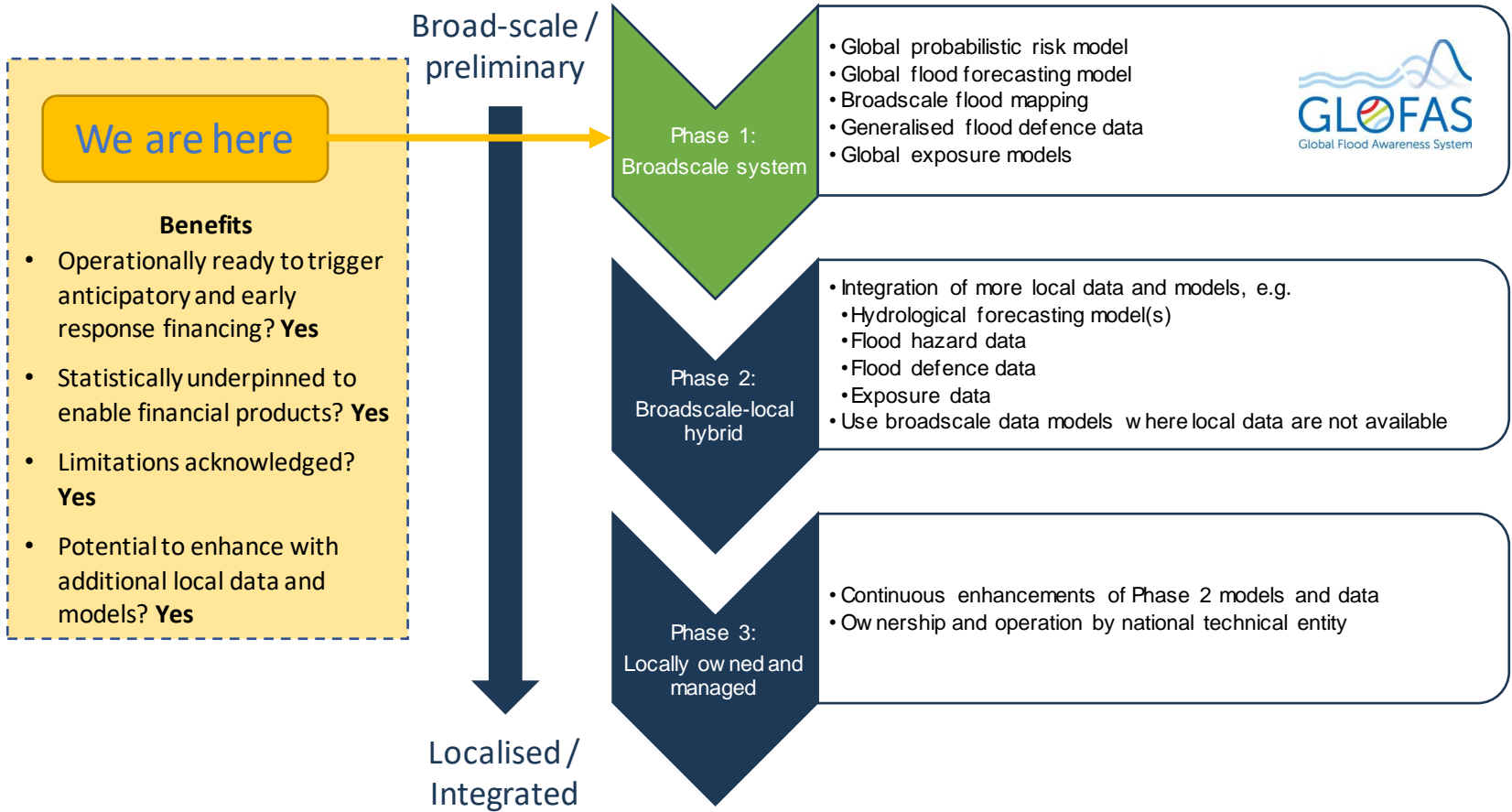
To be insurable



Risk analytics



Multi-resolution framework



Summary

- Flexible framework for risk analytics supporting DRF schemes
- Allows for range of impacts to be forecast
- Ongoing skill assessment based on historic event validation (inc. GFM)
- In-country engagement to improve systems to integrate more local knowledge, models and data