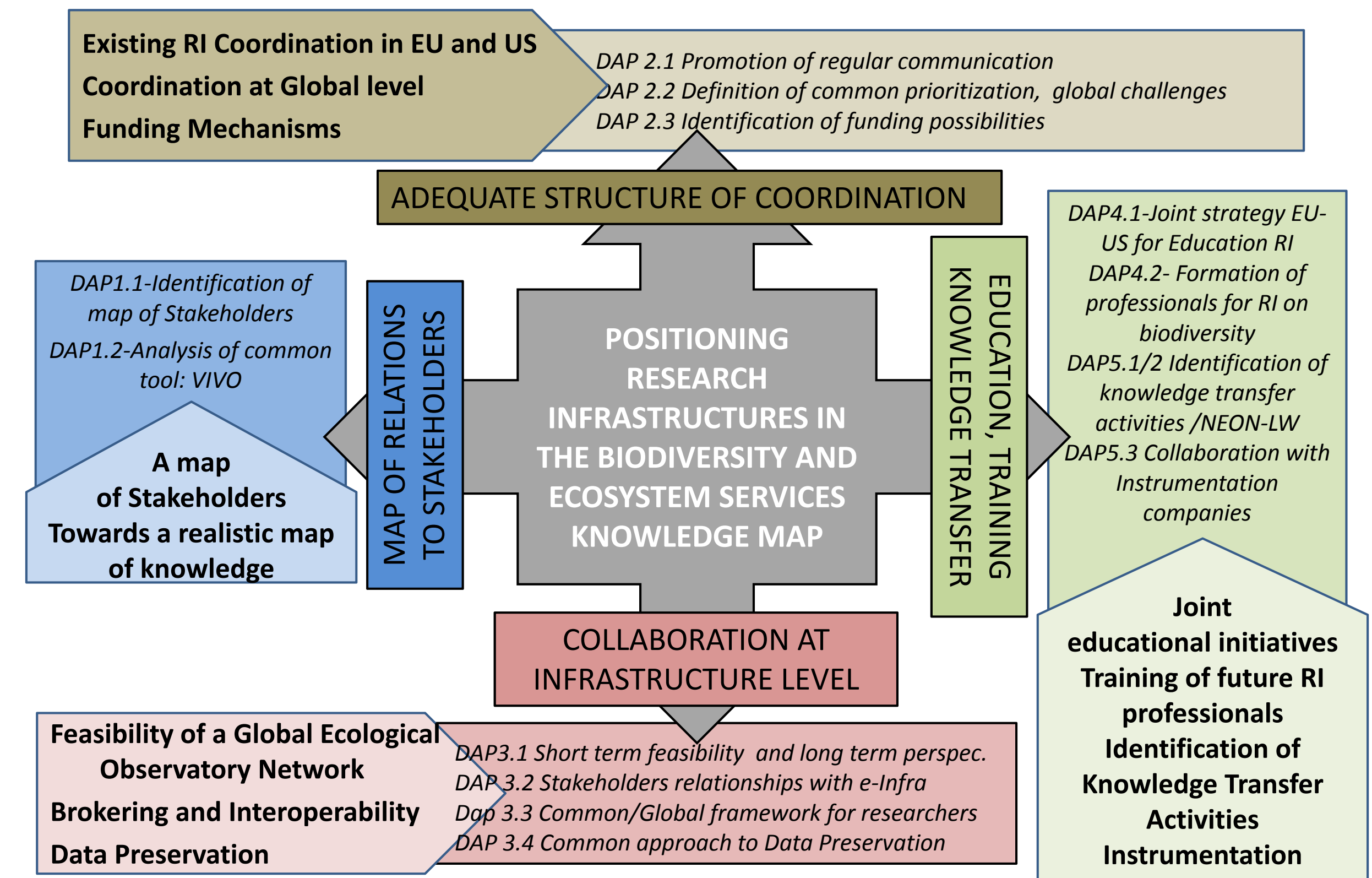


WP6

RESEARCH INFRASTRUCTURES ON BIODIVERSITY AND ECOSYSTEMS RESEARCH



IDENTIFICATION OF GLOBAL CHALLENGES IN BIODIVERSITY

- **Modeling the Biosphere?**
- Global Use Case: Global Carbon Cycle
 - Presented @COOPEUS ANNUAL meeting & @AGU 2013 by A.Fox
 - Meeting @EGU 2014
 - Data/Participants: LW-ES, LW-BE, NEON...
 - Models: CLM (Community Land Model)
 - Gaps: Language/ Ontology, Metadata, Scales, Validation
 - Next steps:
 - Check what data and parameters
 - Check how the data are taken (remote sensing, satellites)
 - Interoperability level of data and format
 - Check different available models and what parameters they need
 - Check if available data is enough for run a model
- Other Use Cases:
 - Species distribution
 - **Invasive species**

COOPERATION OF RESEARCH INFRASTRUCTURES TO ADDRESS GLOBAL CHALLENGES IN THE ENVIRONMENT FIELD

COOP+

GOAL: coordination of the ESFRI Research Infrastructures related to **Marine Science, Arctic Research and Biodiversity** with international counterparts, to develop a global network of RI able to **address Global environmental challenges**

O1-Analyze **how to address cross-disciplinary Global challenges by joining resources including international Research Infrastructures**. Explore the complementarities of top-down and bottom-up approaches, and how to combine geographical and temporal scales.

O2-Open coordination framework for **Global Cooperation**, with initial participation from relevant RIs from EU, US, Canada, Australia and Brazil, providing support to new agreements

O3-Plan for **oriented dissemination and exploitation for RI at Global level**.

O4-Assure the **exchange of information and training on best practices and know-how**,

O5-Promote the use of **Global Integrated Platforms**, in particular those related to **GEO**