



Pump priming towards the International Nitrogen Management System (INMSpp) : Introduction

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‘Towards INMS’ Lisbon

INMSpp

- What are the aims of the project?
- INMSpp Workpackages and linkages to INMS
- Timeline
- Workshop in Edinburgh

Project Outline

- Project is funded by the Natural Environment Research Council, as part of their 'International Opportunities Fund' grant scheme.
- Awarded to Centre for Ecology and Hydrology (lead) and the University of Edinburgh
- Total project budget of £400k over 3 years
 - Staff time
 - Workshop Costs

The Big Idea

- Establish a **framework for the international model chain** that will be needed for the science-policy support process of the ‘International Nitrogen Management System’.



The big idea – what do policymakers need?

Needs of international conventions and policy makers

Demonstrate how feasible improvements in N management translate into quantified co-benefits

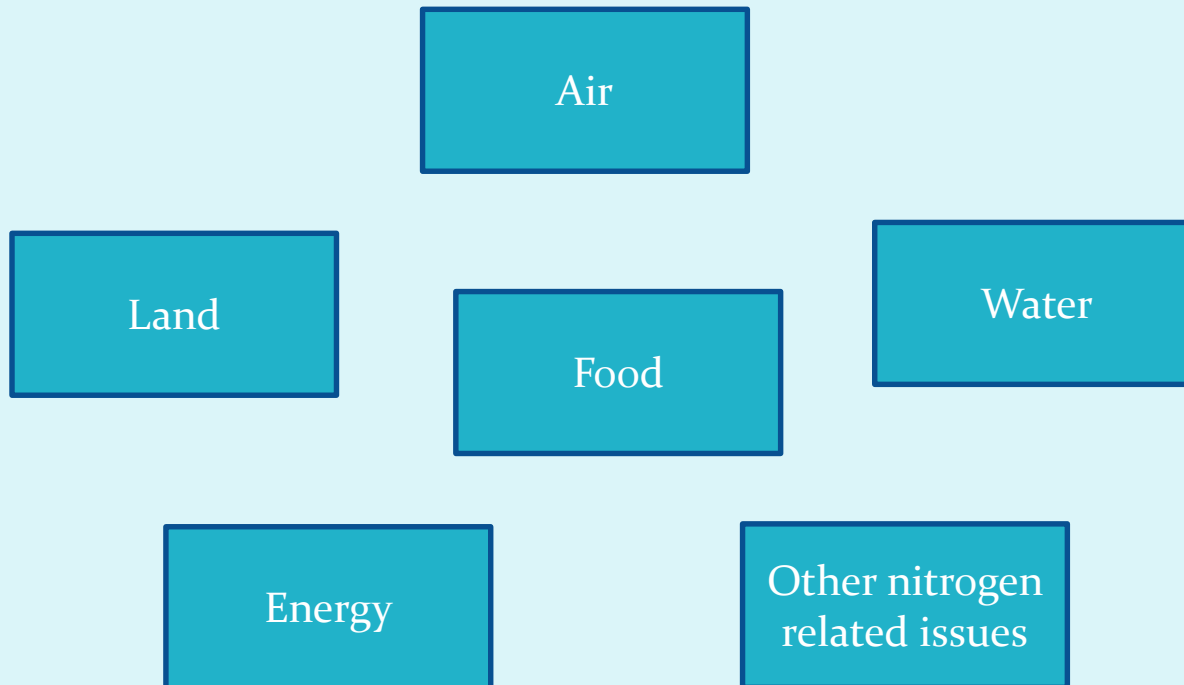
Improved food and energy security

Reduced climate and pollution threats

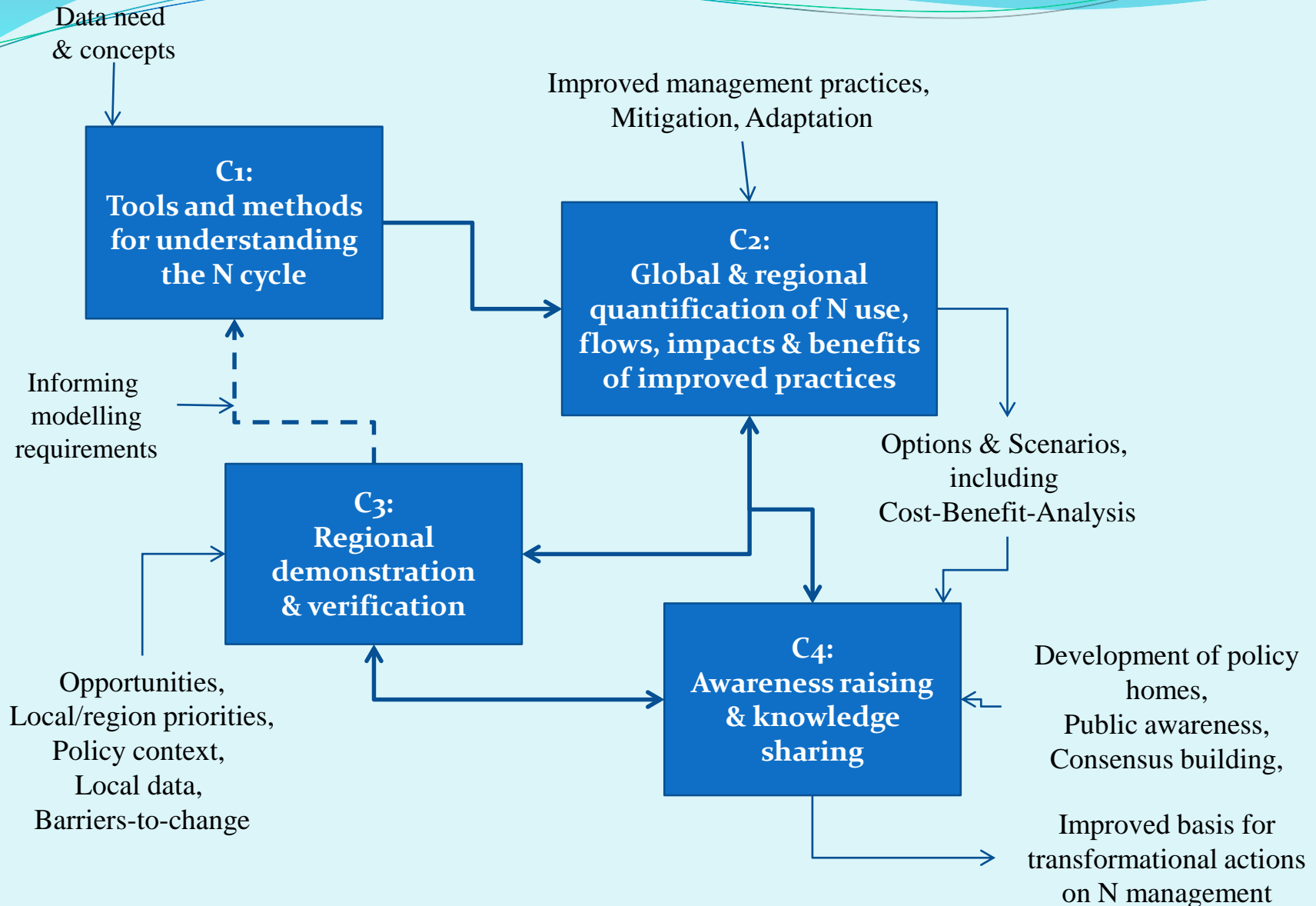
In net economic terms

The big idea – what do we need to do to enable this?

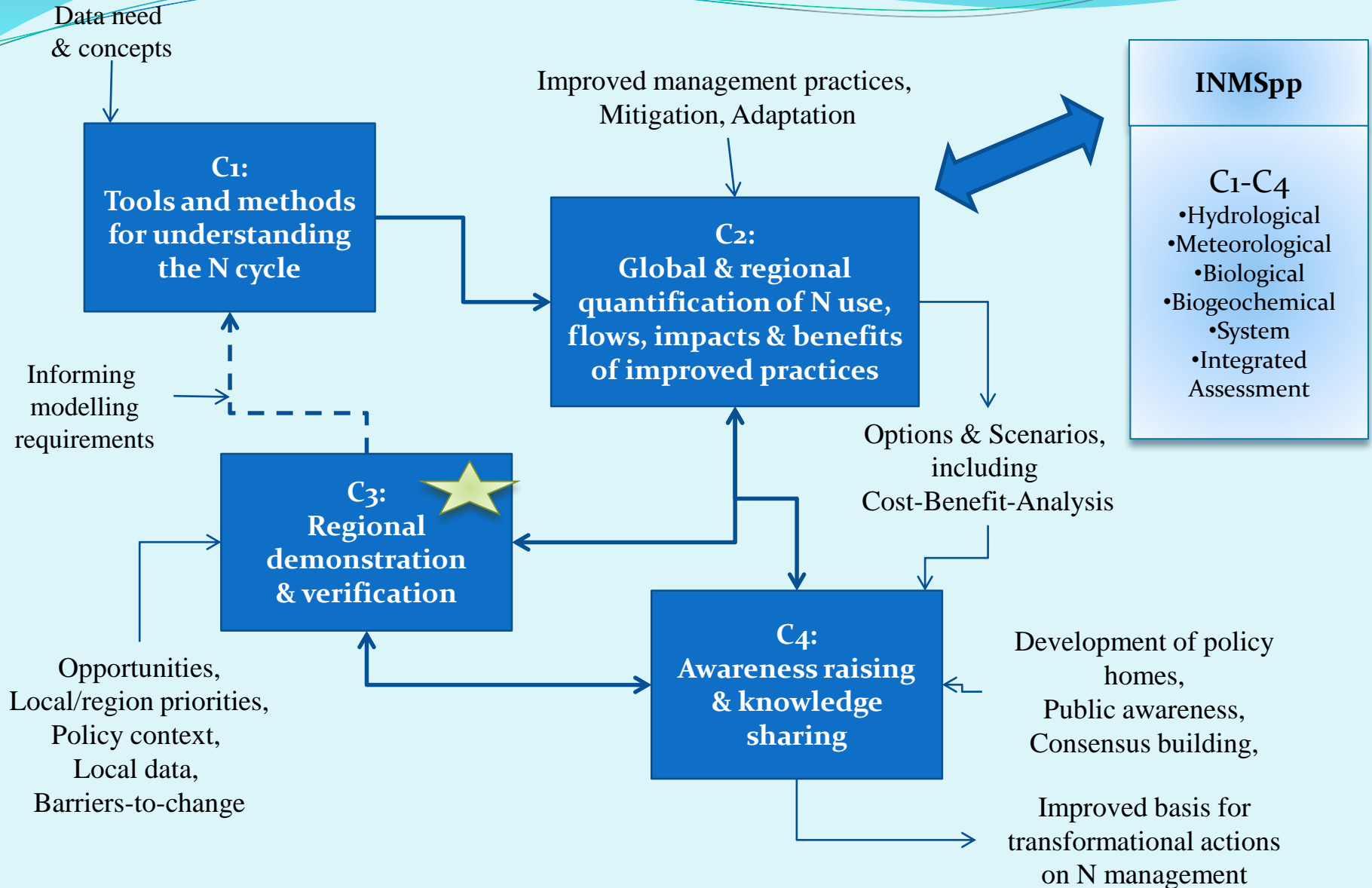
Develop the global capability for nitrogen Integrated Assessment Modelling

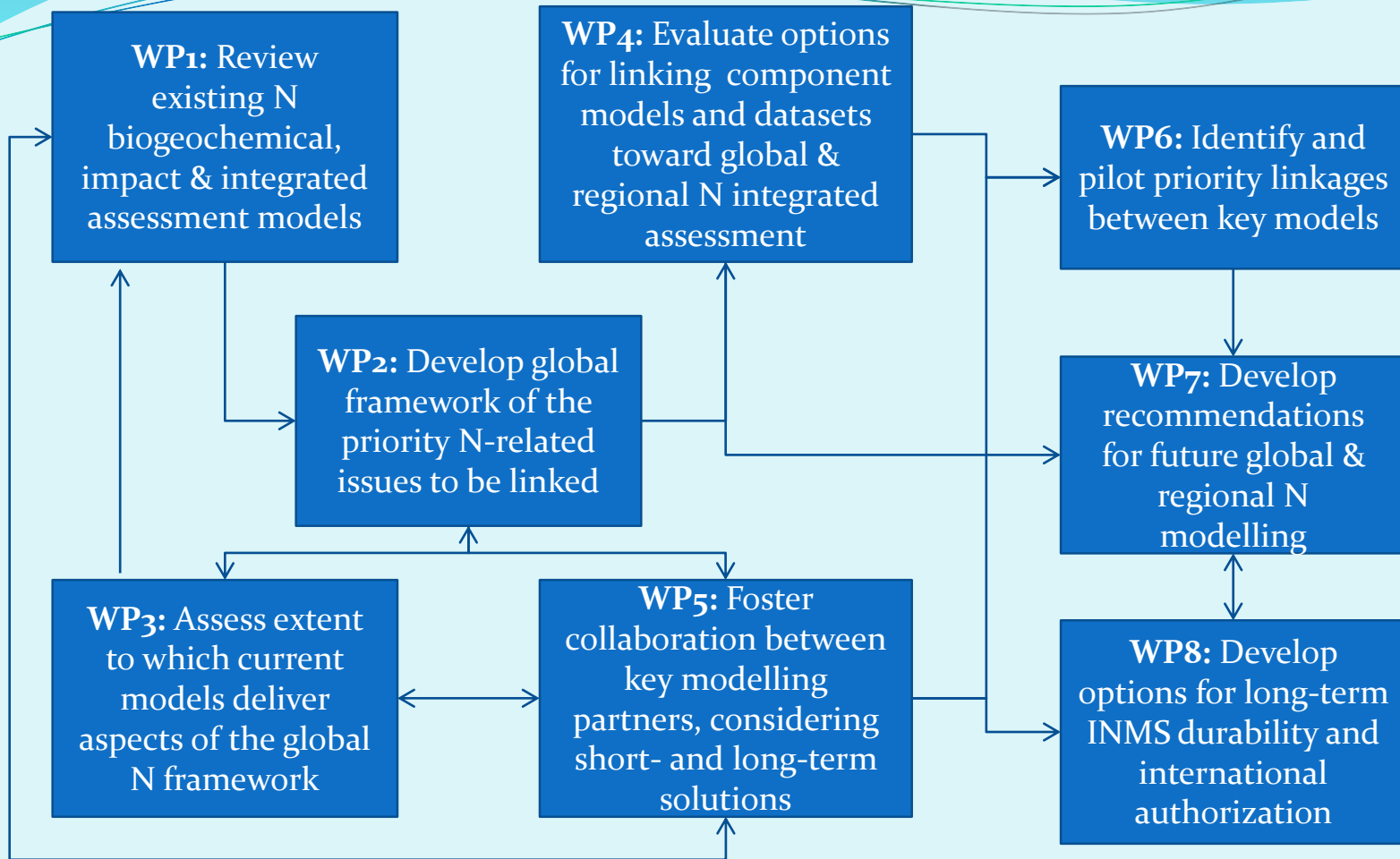


Components Diagram for INMS



Components Diagram for INMS



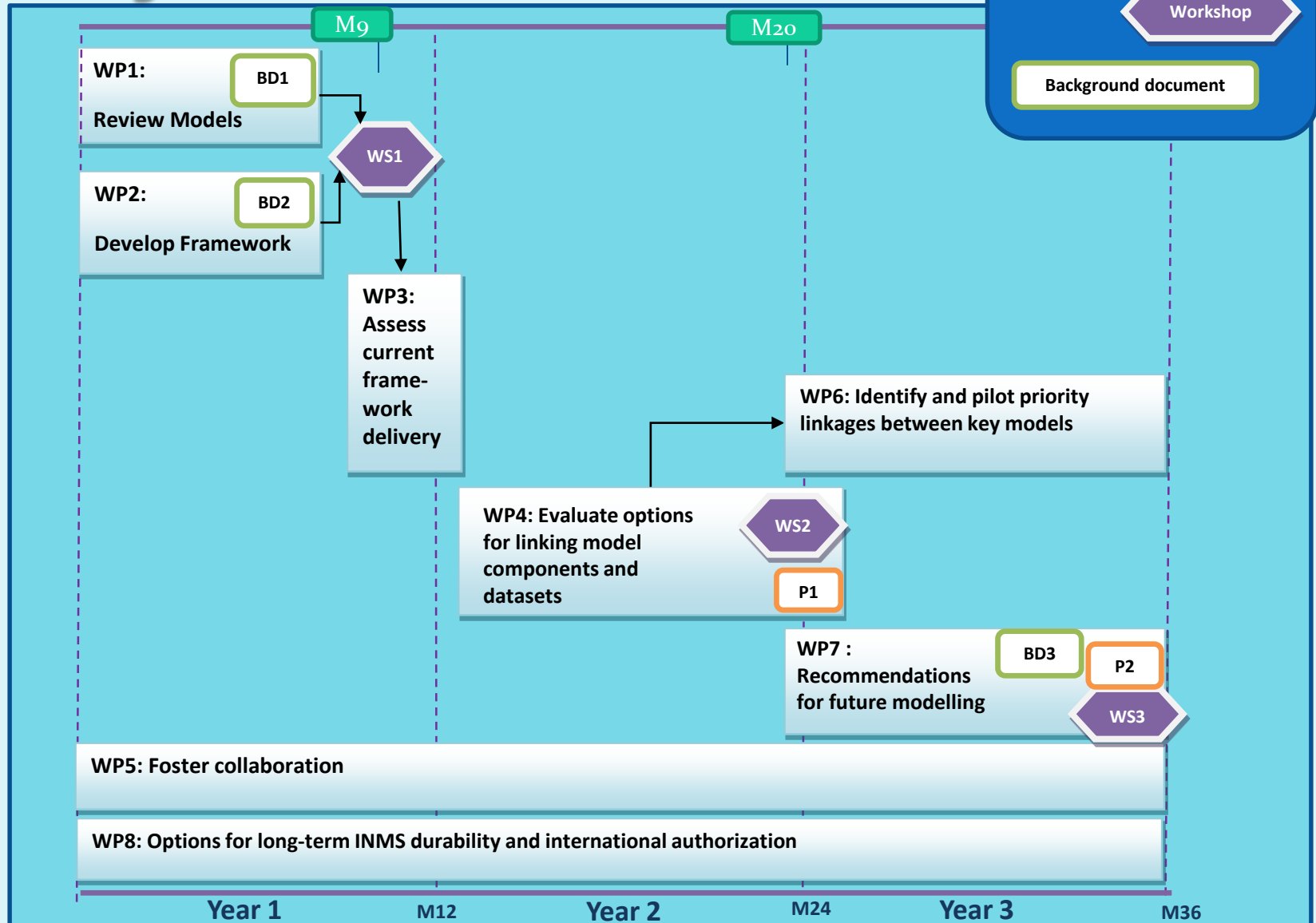


Engaging with the community

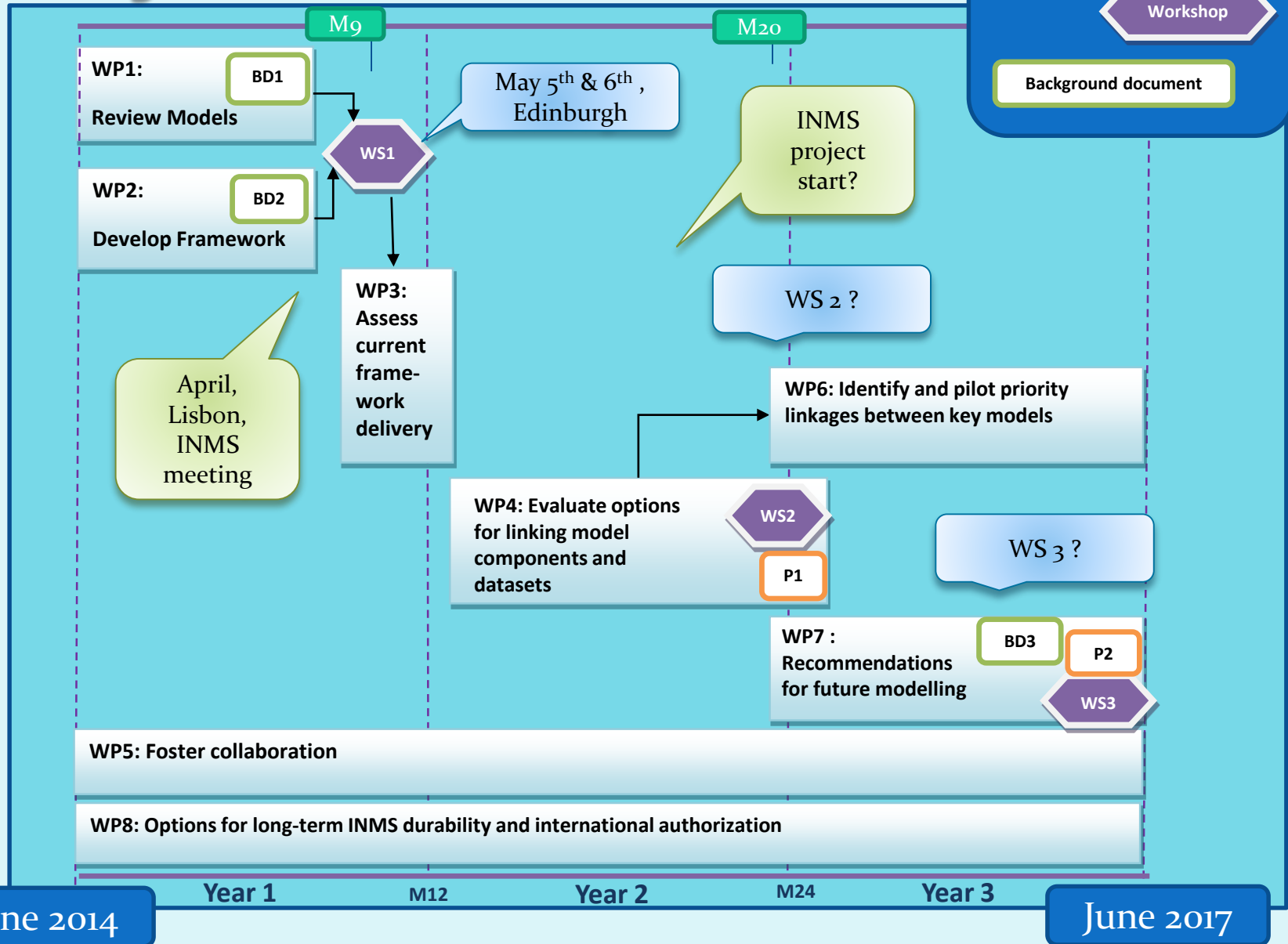
What are we trying to achieve?

1. Take stock of the current model situation
2. Consider what we should try to model - framework
3. Assess how models can deliver on this framework
4. Consider how we can link models and data
5. Engage with the community to assess short and long term possibilities
6. Agree priority linkages to work with
7. Use this to make recommendations for global and regional modelling
8. Consider how this can strengthen and support INMS and what authorisation such work would need

Project timeline



Project timeline



Meetings and Timeline

- INMSpp Meeting, 5th& 6th May, Edinburgh
 - Followed by a meeting of the UNECE Task Force on Integrated Assessment Modelling, 7th and 8th
- INMSpp already underway – need to be close links about what INMS could need and what and when INMSpp could deliver
- Benefit from engagement and an iterative approach

Workshop next week

- **Prioritising Nitrogen Threats and Benefits: Which issues need to be linked when developing integrated modelling capability?**
- **Policy Linkages: What are the priority measures needed for better nitrogen management that should be included in models?**
- **Issue/Compartmental Linkages: How should different compartments of the nitrogen cycle be linked when formulating global nitrogen integrated assessment models?**
- **Data Needs**