



## WHY

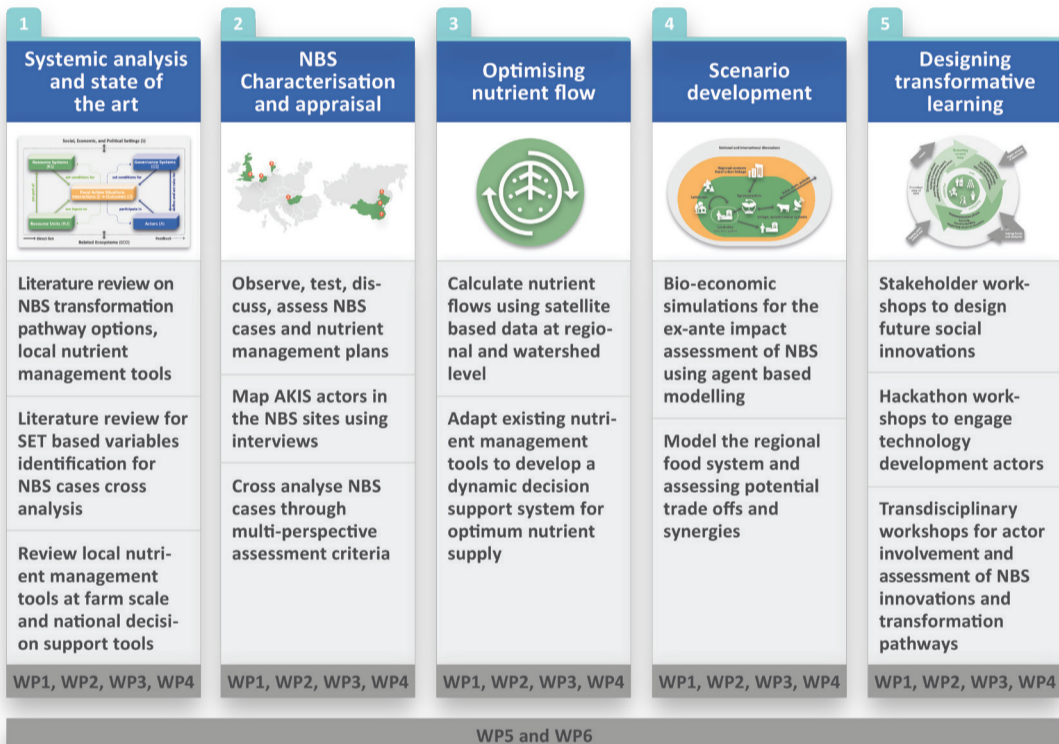
Today's agriculture is highly dependent on external nutrient inputs, and in particular mineral fertilisers supplying nitrogen (N), phosphorus (P), potassium, and other elements, which are indispensable components of many intensive farming systems.

**trans4num's** ambition is to substantiate and broadly promote the nature-based solutions (NBS) approach for sustainable agricultural practices in Europe and China, focusing on nutrient management (bio-based nutrient sources, sustainable crop rotation, integrated pest management).



## HOW

**tran4num** methodological roadmap



## OBJECTIVE

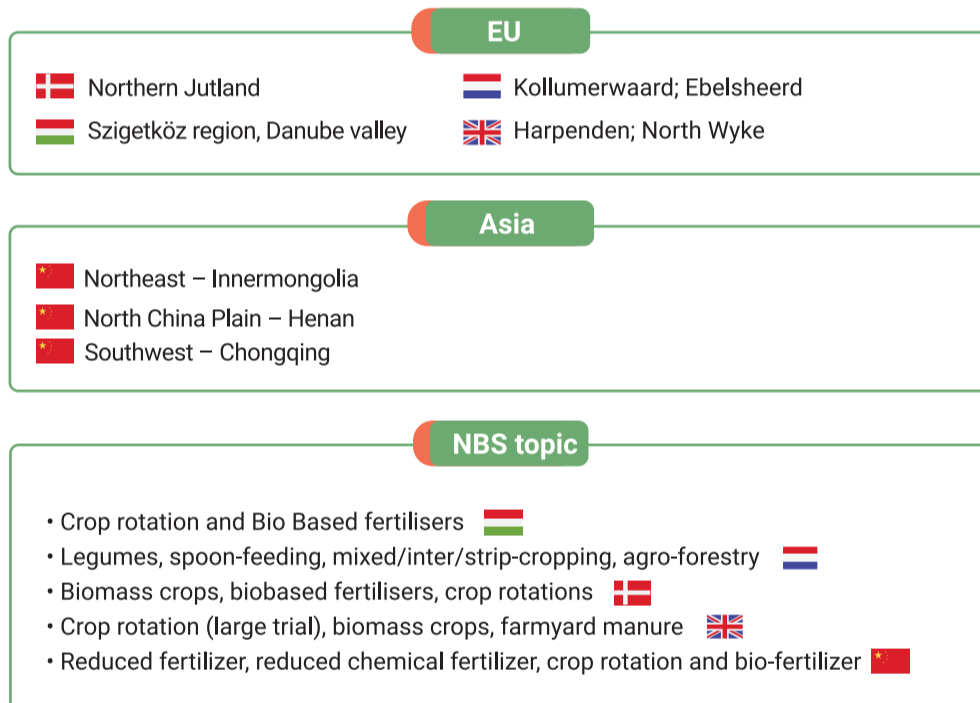
to develop and test innovative NBS practices and pathways that contribute to a socio-ecological transformation of existing intensive agriculture systems towards increasingly sustainable nutrient management.



## WHERE

To study NBS with a multi-level, multi-actor approach, **trans4num** has selected four European and three Chinese sites.

### NBS site locations



## Outputs

## WHAT

## Outcomes



**Innovative**  
NBS practices



**DSS tool**  
nutrient budget methodologies



**Scenarios**  
for improved nutrient management



**Dissemination**  
to stakeholders on all levels



**Strong international cooperation**



**New transformation pathways**



**Optimize nutrient flows**



**Market opportunities for NBS**

## WHO

Our consortium



**trans4num** is a four-year project funded under the Zero Pollution call as an EU-China international cooperation action on nature-based solutions (NBS) for nutrient management in agriculture.

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Funded by the European Union