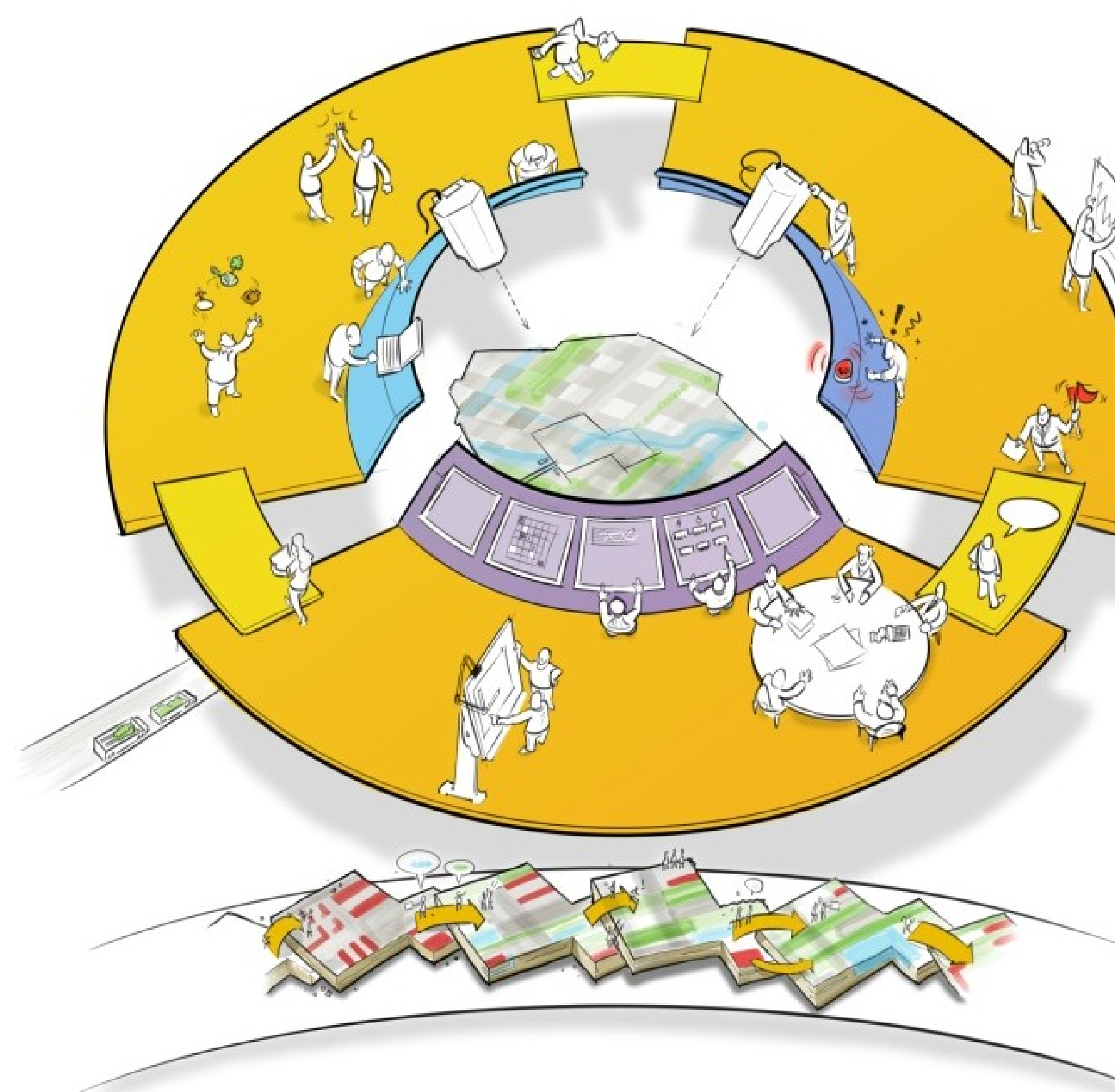


## Brownfield Navigator

*Linda Maring, Maaike Blauw, Rens van den Bergh*



In cooperation with:



[www.cabernet.org.uk](http://www.cabernet.org.uk)



[www.greenland-project.eu](http://www.greenland-project.eu)



[www.timbre-project.eu](http://www.timbre-project.eu)



[www.dais.unive.it/~glocom](http://www.dais.unive.it/~glocom)



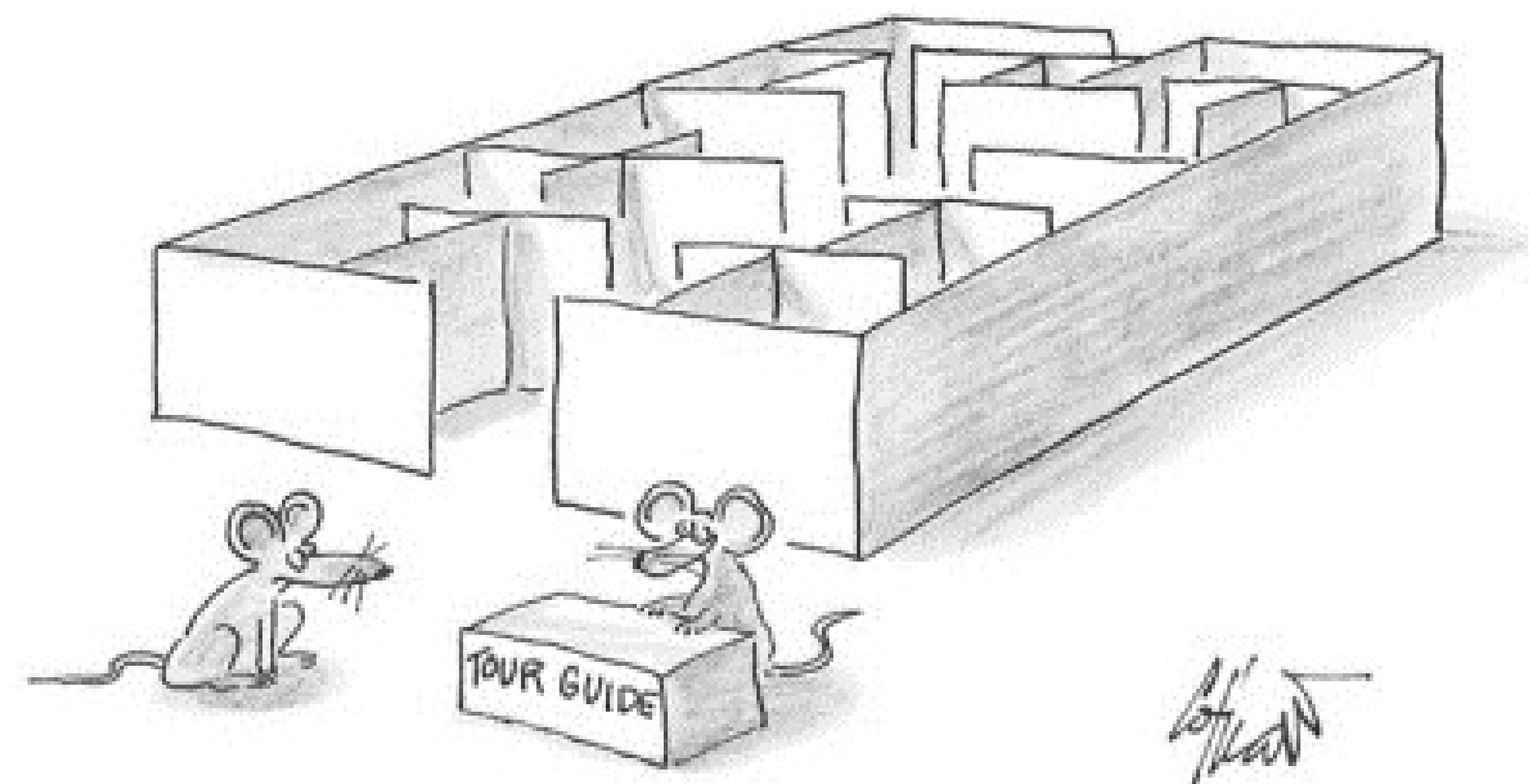
This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement No 265097



# BF Navigator

A guide to help you through the process of brownfield regeneration.

- Generic: guide through the steps in BF regeneration
- Getting inspired: example library, maps & sketching
- Document management: record the decision process





# Objective

- INSPIRE & VISUALISE
- ENCLOSE INFORMATION
- STAKEHOLDER INTERACTION
- EARLY WARNING
- JOINT FACT FINDING
- INVESTIGATE ALTERNATIVES
- CASUS MANAGEMENT
- TRANSFER DATA & DECISIONS IN PROCESS
- CHECK RESULT

## “BFN ITEMS”



# Target group

- Problem owner (Municipalities)
- Stakeholders
- Brownfield manager
- Experts (GIS, Soil, etc)

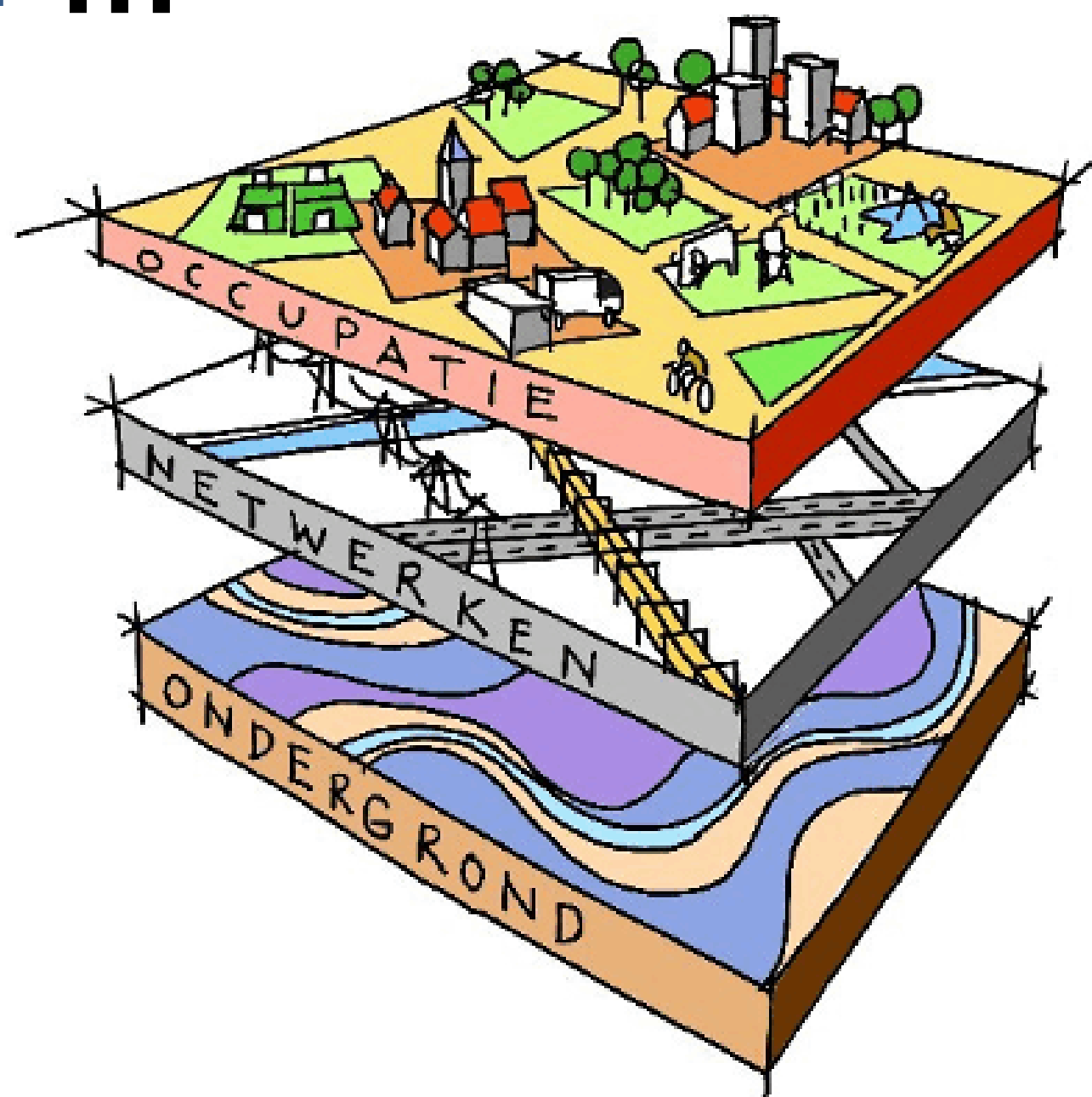
*Generic – specific tools*





Knowledge content and process ↔ Stakeholders  
Stakeholder and influence analysis

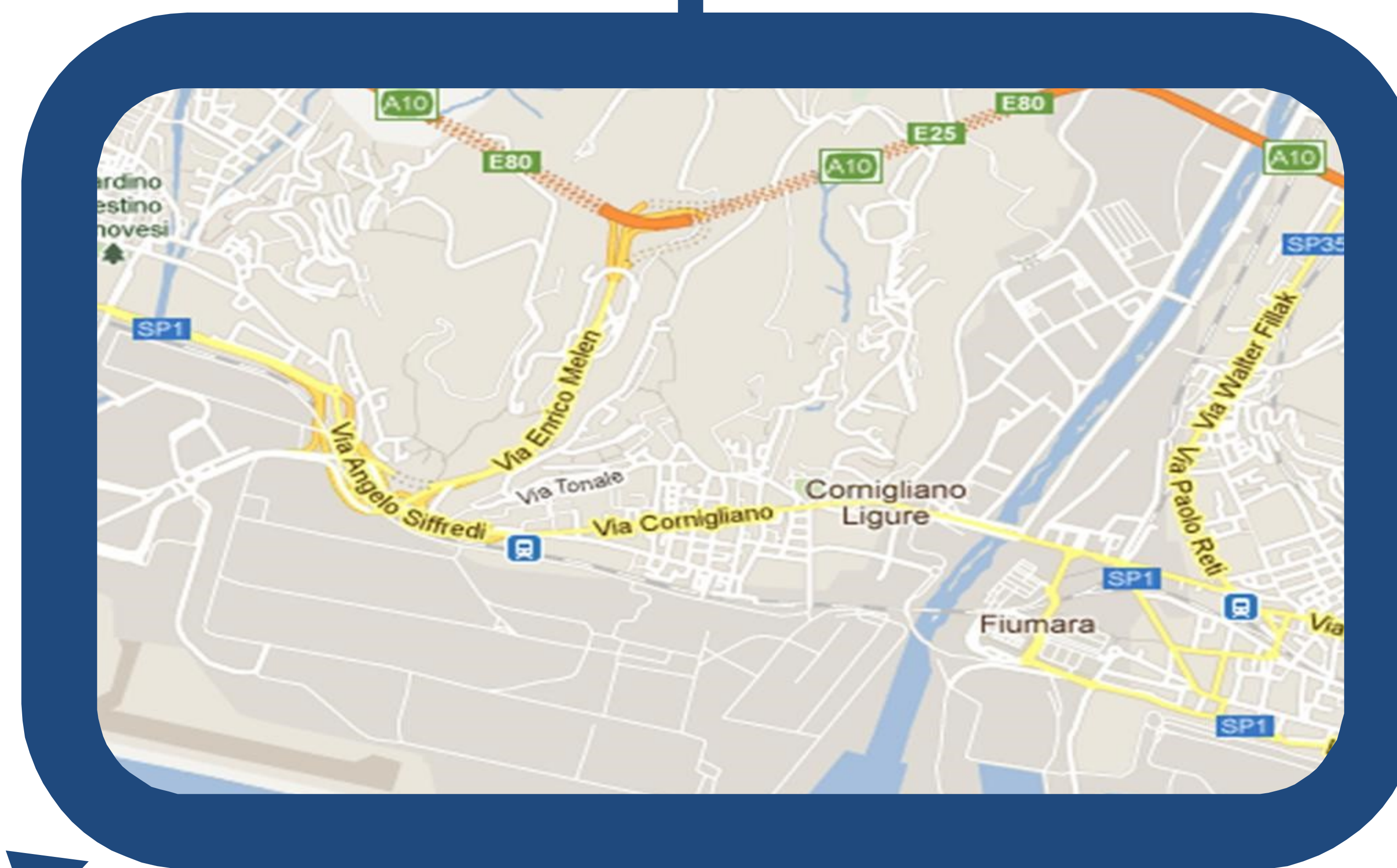
Information:  
Boundary conditions  
Legislation/regulation  
Ambitions  
...



Spatial Information  
land use,  
soil,  
water,  
energy,  
Material  
...

Instruments  
Effect tools  
Models

Joint fact finding ↔  
Expert, BF knowledge



**INTERACTIVE STAKEHOLDER WORKSHOPS**

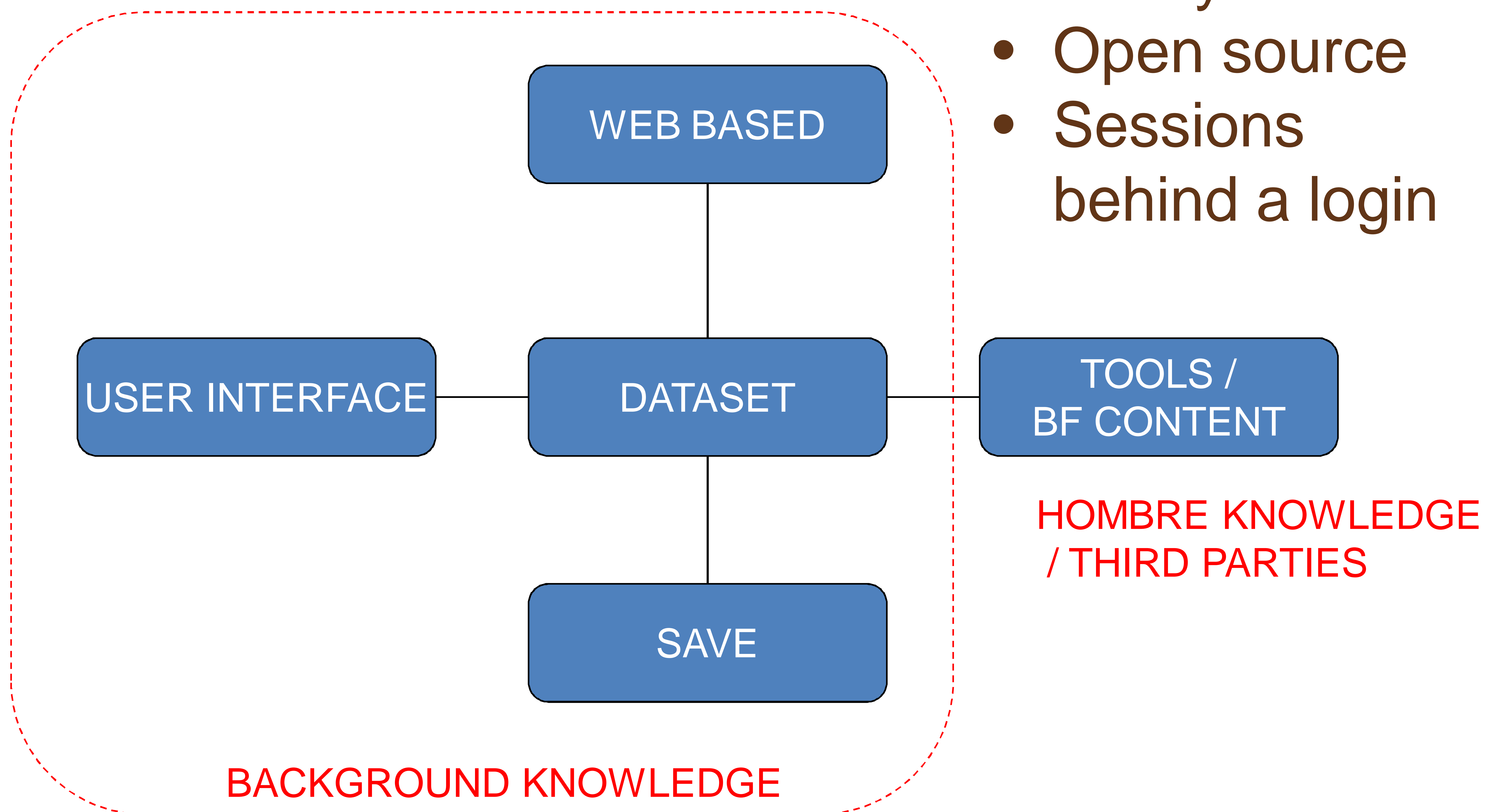
Tailored & Sustainable Redevelopment towards Zero Brownfields

Opportunity plan  
Feasibility plan  
Choice of scenarios



# SET UP

- Online
- Freely available
- Open source
- Sessions behind a login



# SET UP

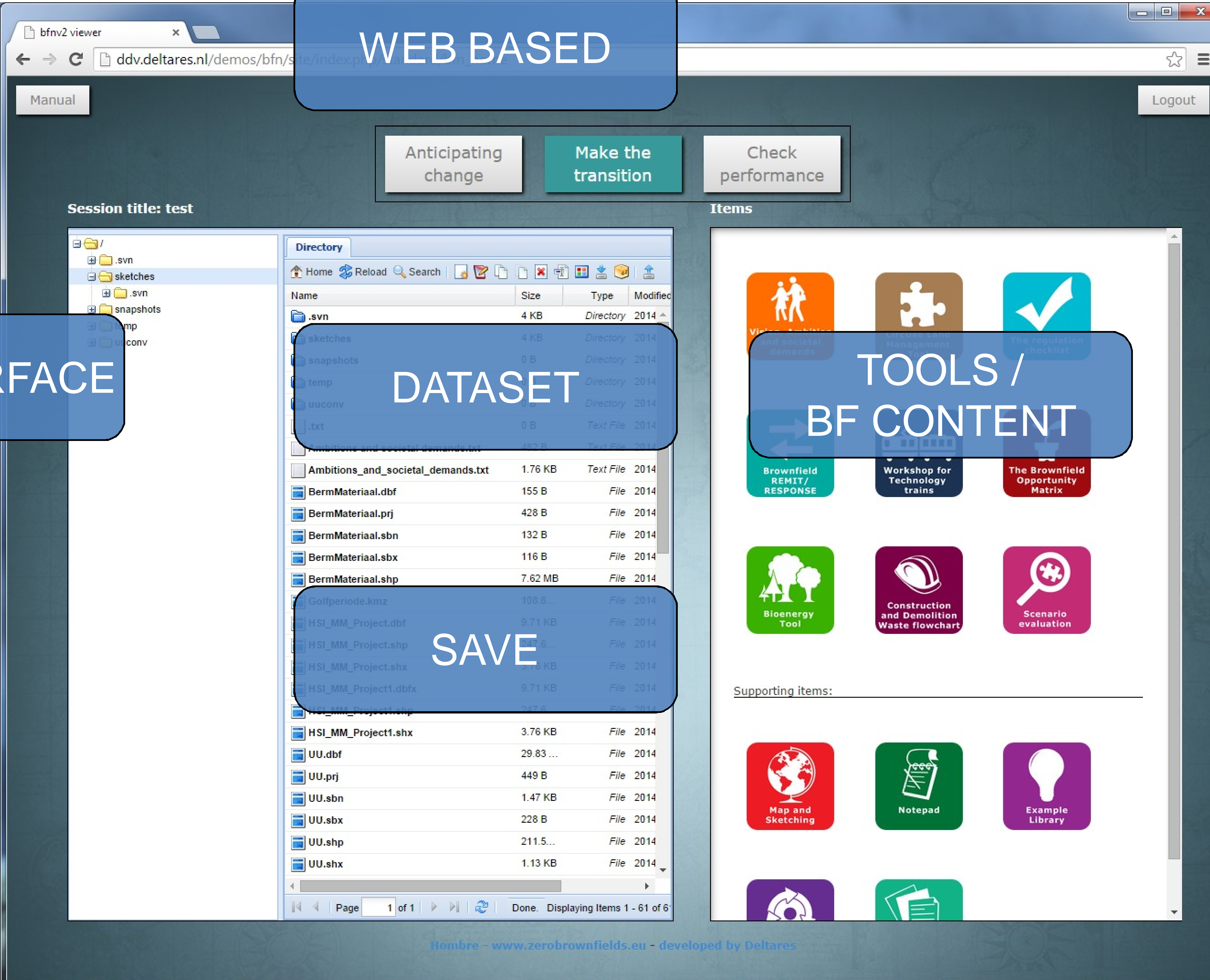
WEB BASED

USER INTERFACE

DATASET

SAVE

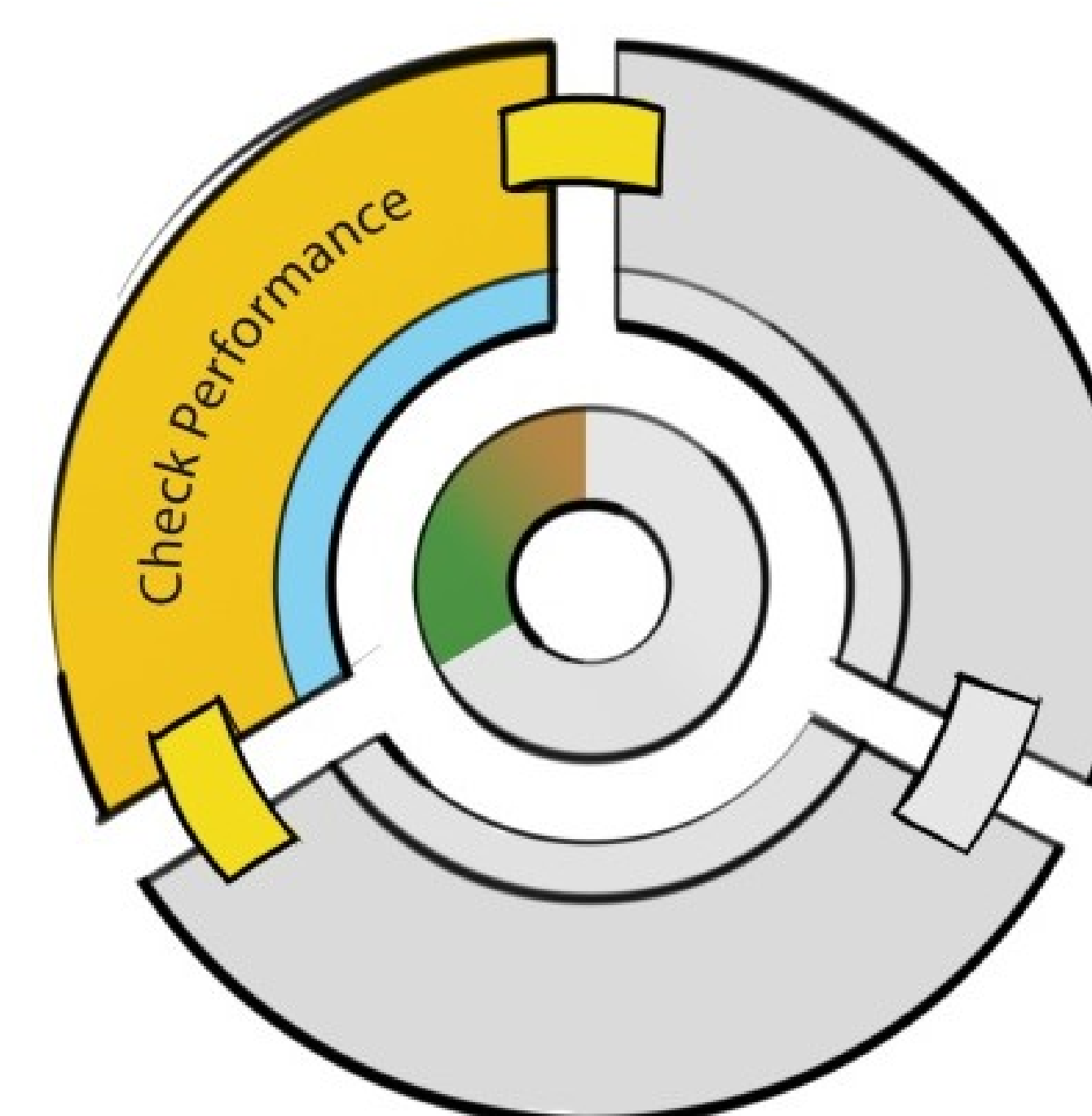
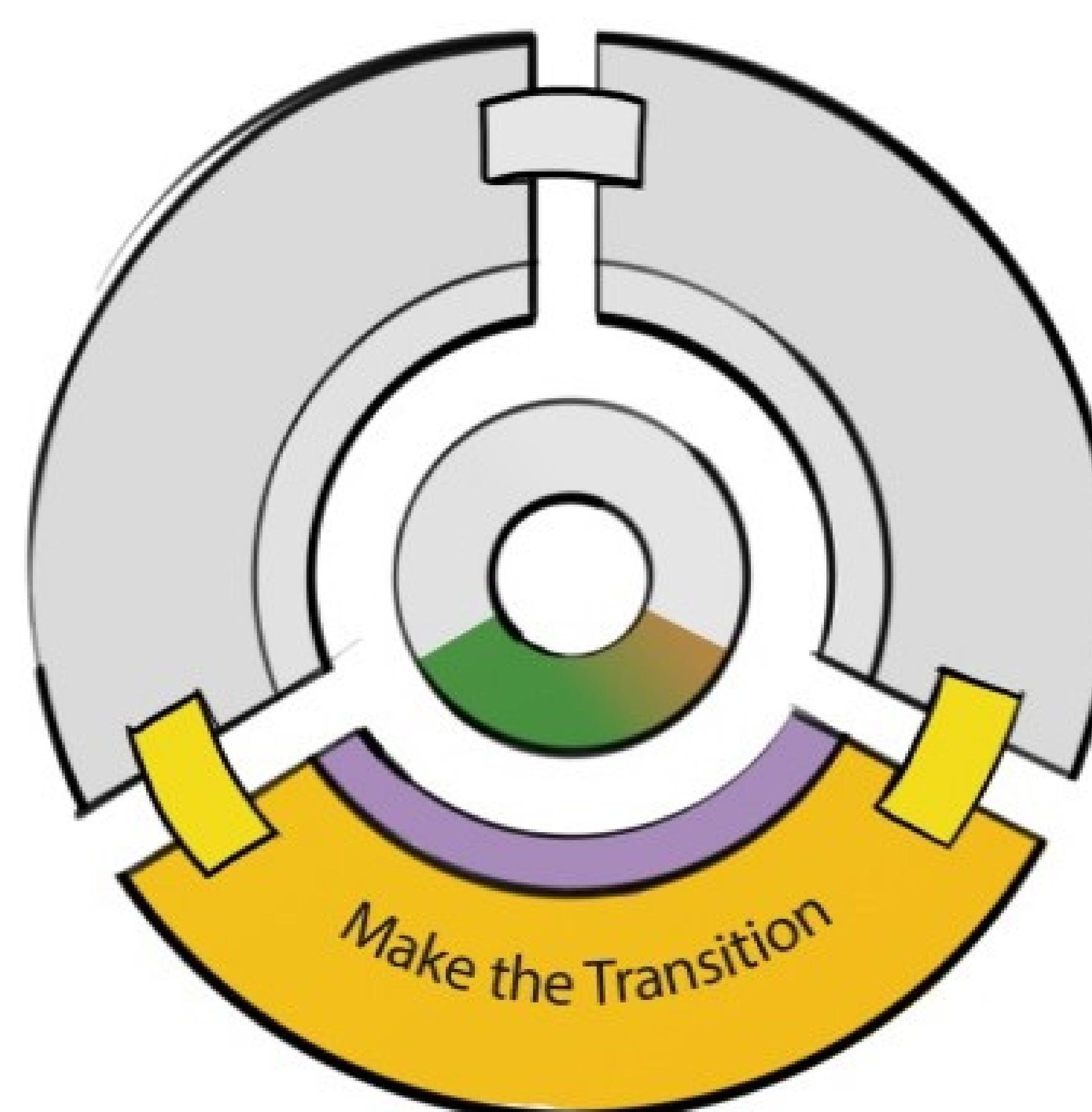
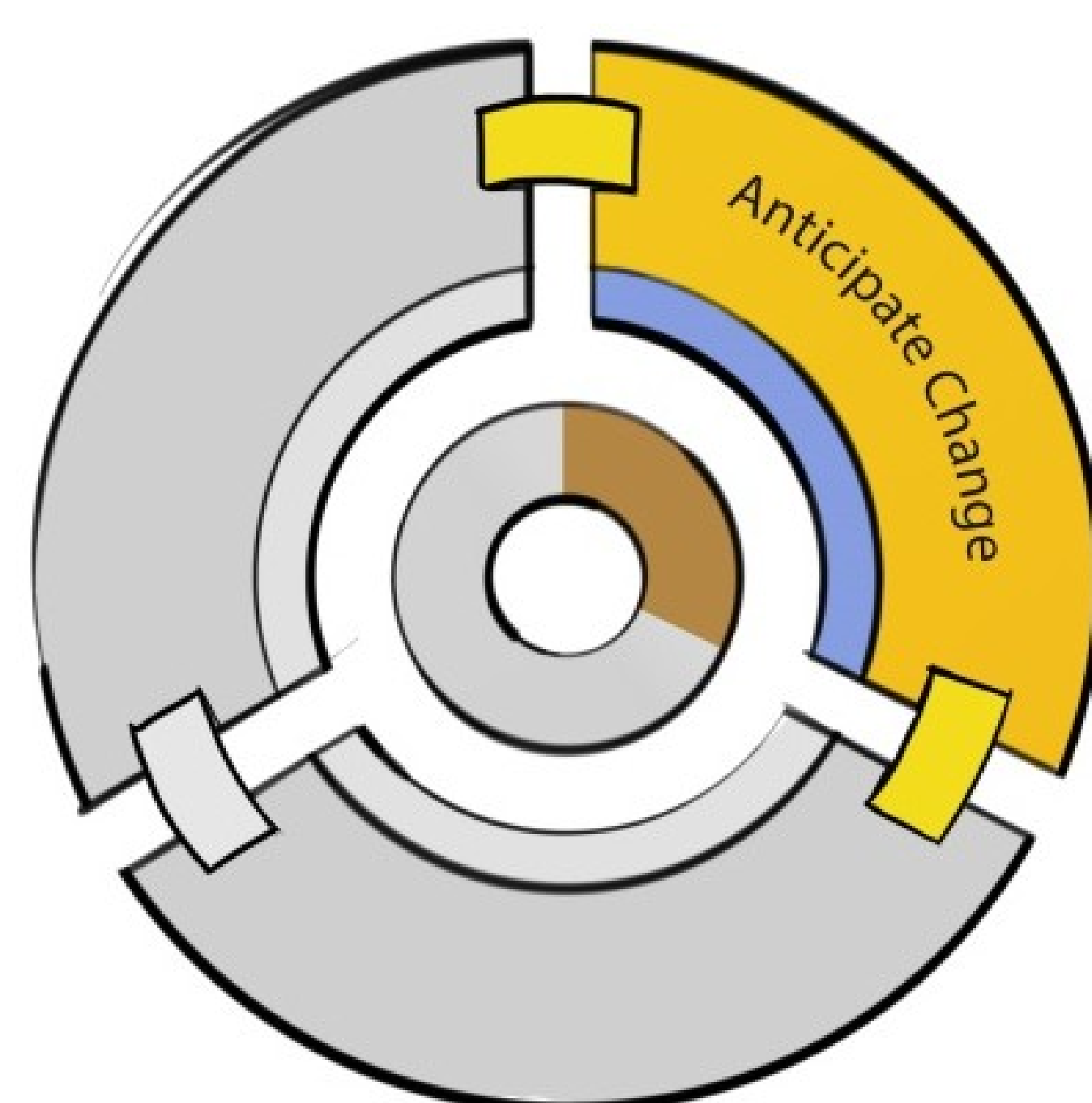
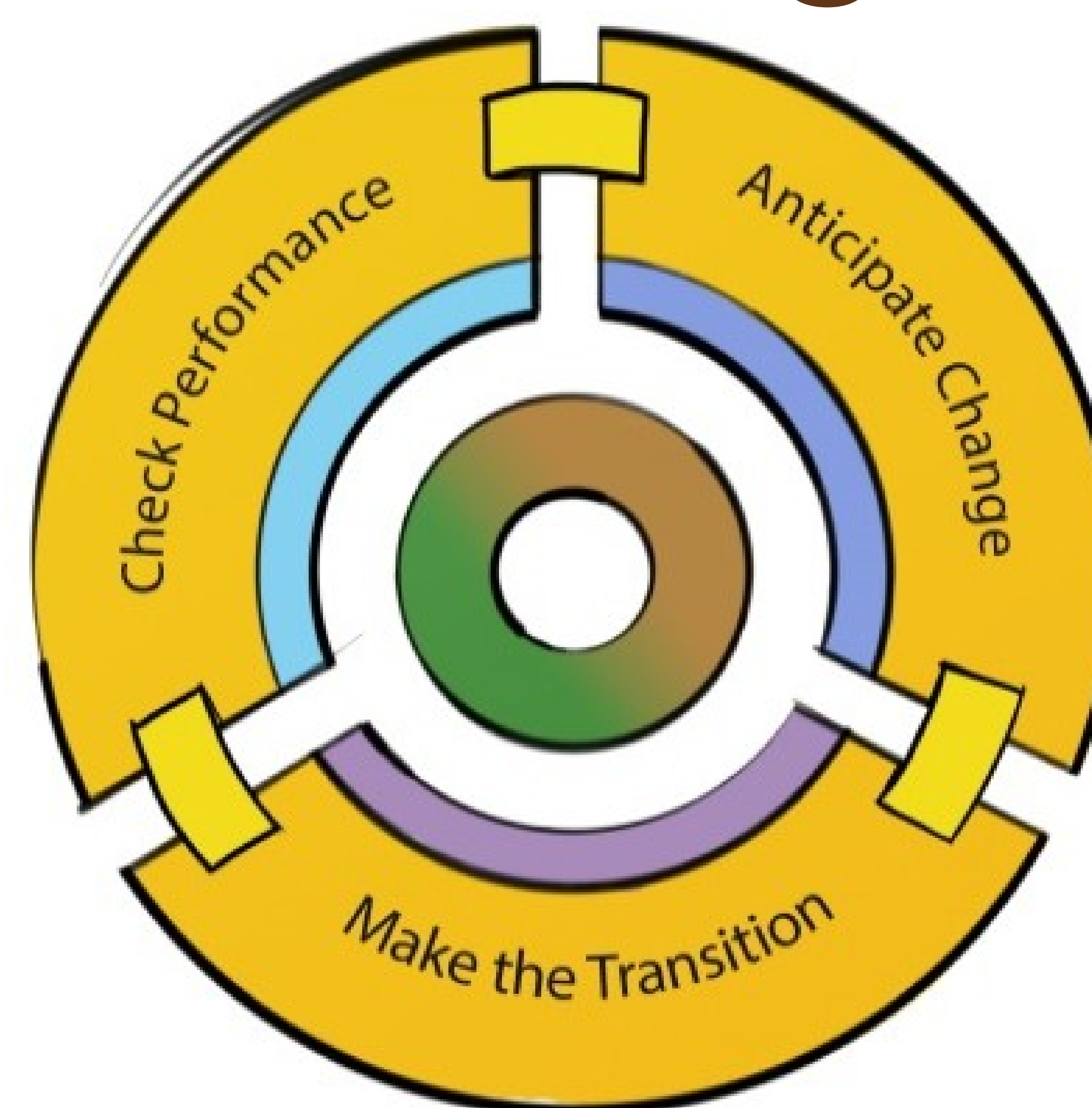
TOOLS /  
BF CONTENT



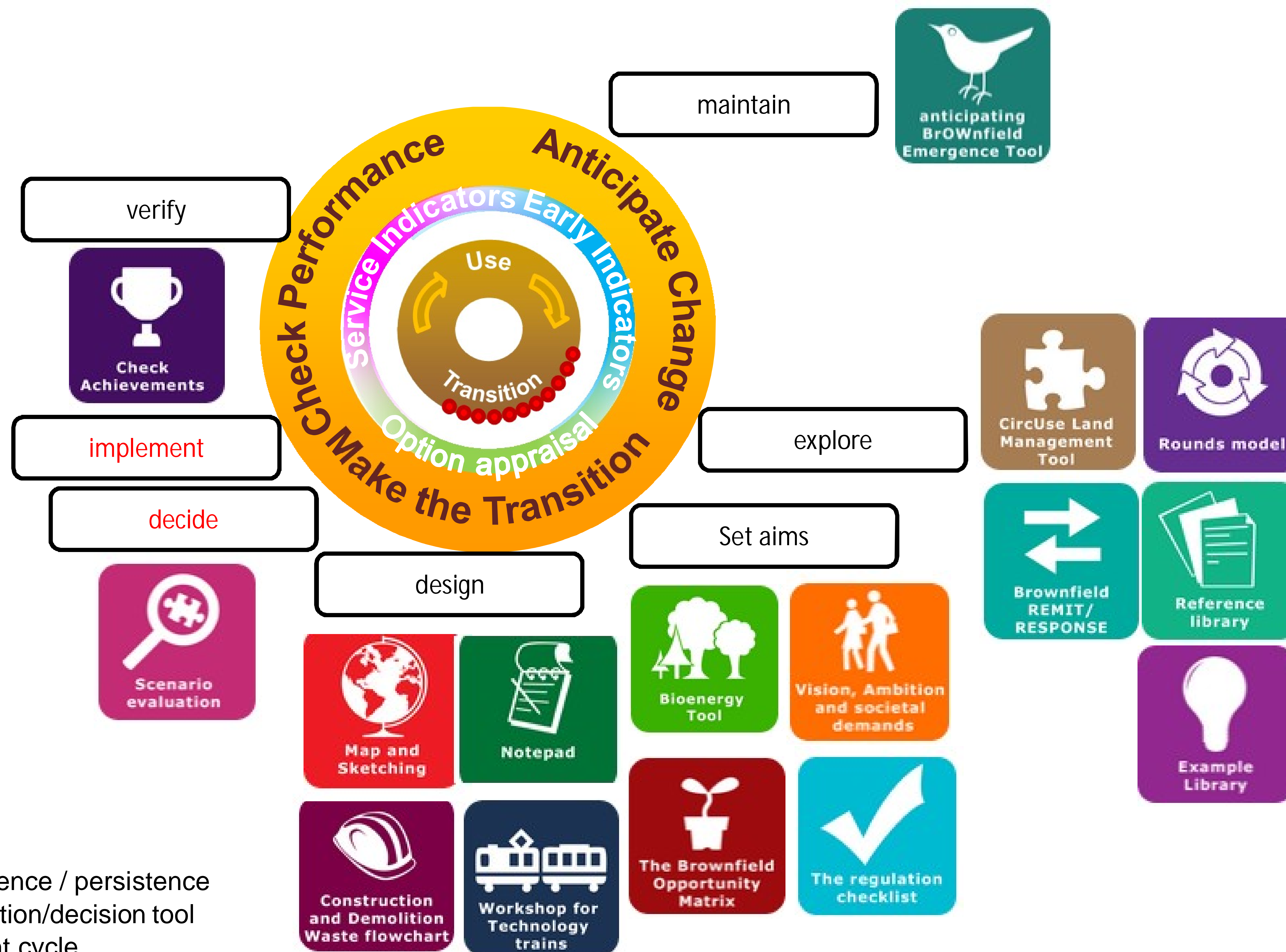
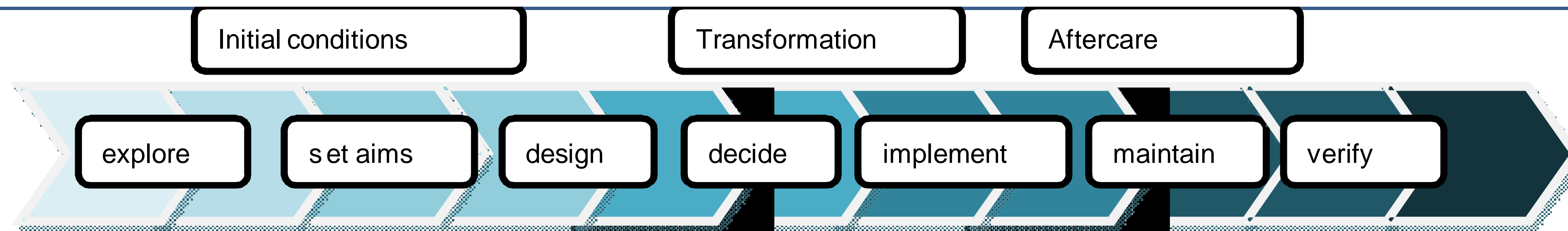
The screenshot shows a web browser window with the URL `ddv.deltares.nl/demos/bfnv/site/index.php`. The interface includes a top navigation bar with a 'Manual' link and a 'Logout' button. Below this is a session title 'test' and three main action buttons: 'Anticipating change', 'Make the transition', and 'Check performance'. The central area is divided into two main sections. On the left, there is a 'Directory' view showing a file tree with folders like '.svn', 'sketches', and 'snapshots', and a list of files including 'Ambitions\_and\_societal\_demands.txt', 'BermMateriaal.dbf', 'BermMateriaal.prj', 'BermMateriaal.sbn', 'BermMateriaal.sbx', 'BermMateriaal.shp', 'Golfperiode.kmz', 'HSL\_MM\_Project.dbf', 'HSL\_MM\_Project.shp', 'HSL\_MM\_Project.shx', 'HSL\_MM\_Project1.dbf', 'HSL\_MM\_Project1.shp', 'HSL\_MM\_Project1.shx', 'UU.dbf', 'UU.prj', 'UU.sbn', 'UU.sbx', 'UU.shp', and 'UU.shx'. On the right, there is a 'Tools / BF Content' section displaying various icons for different tools and content, such as 'Brownfield REMIT/RESPONSE', 'Workshop for Technology trains', 'The Brownfield Opportunity Matrix', 'Bioenergy Tool', 'Construction and Demolition Waste flowchart', 'Scenario evaluation', 'Map and Sketching', 'Notepad', and 'Example Library'. A 'Supporting items:' section is also visible at the bottom of the tools area. The footer of the application states 'Hombre - www.zerobrownfields.eu - developed by Deltares'.



# Supports management phases

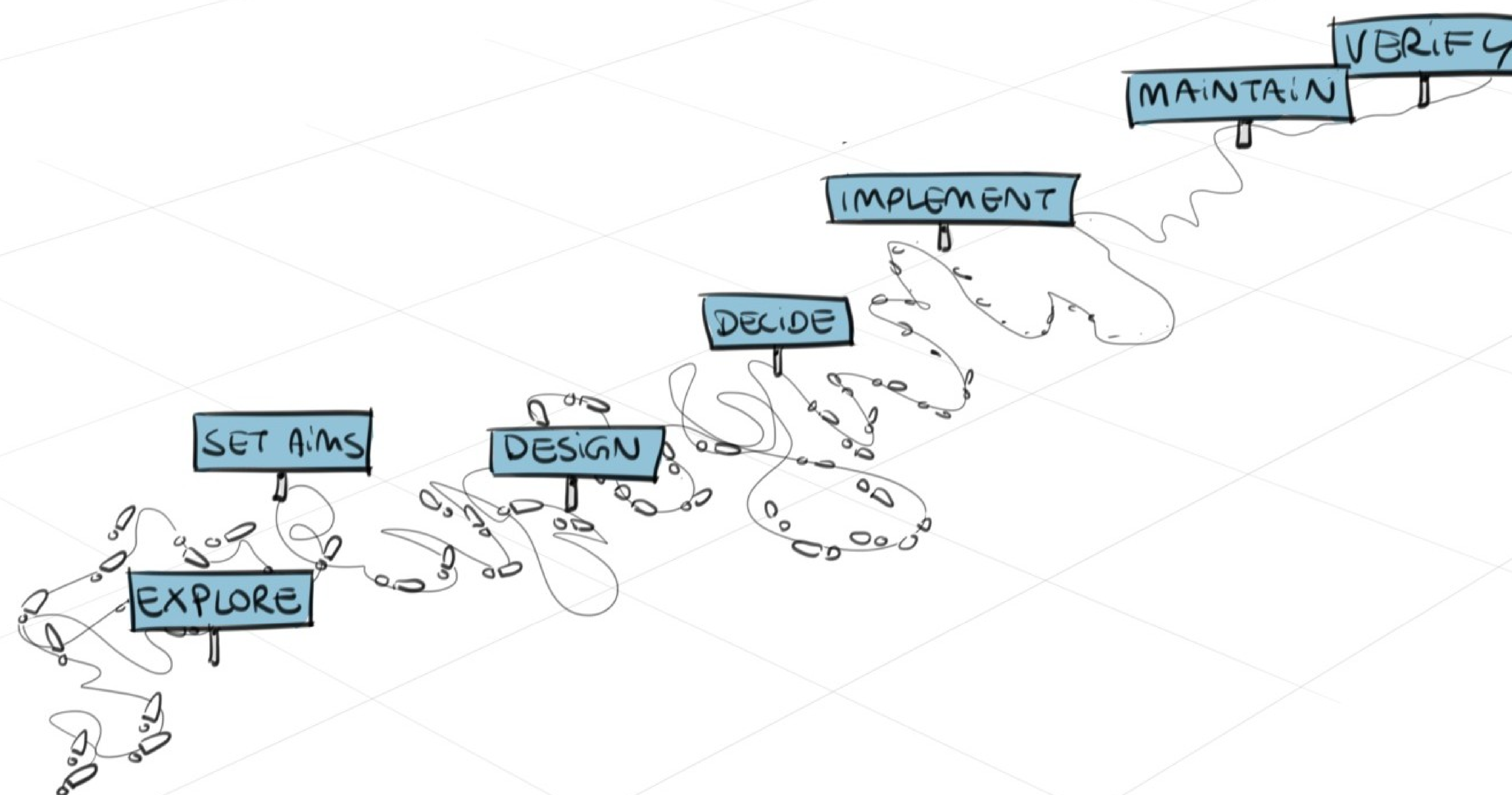






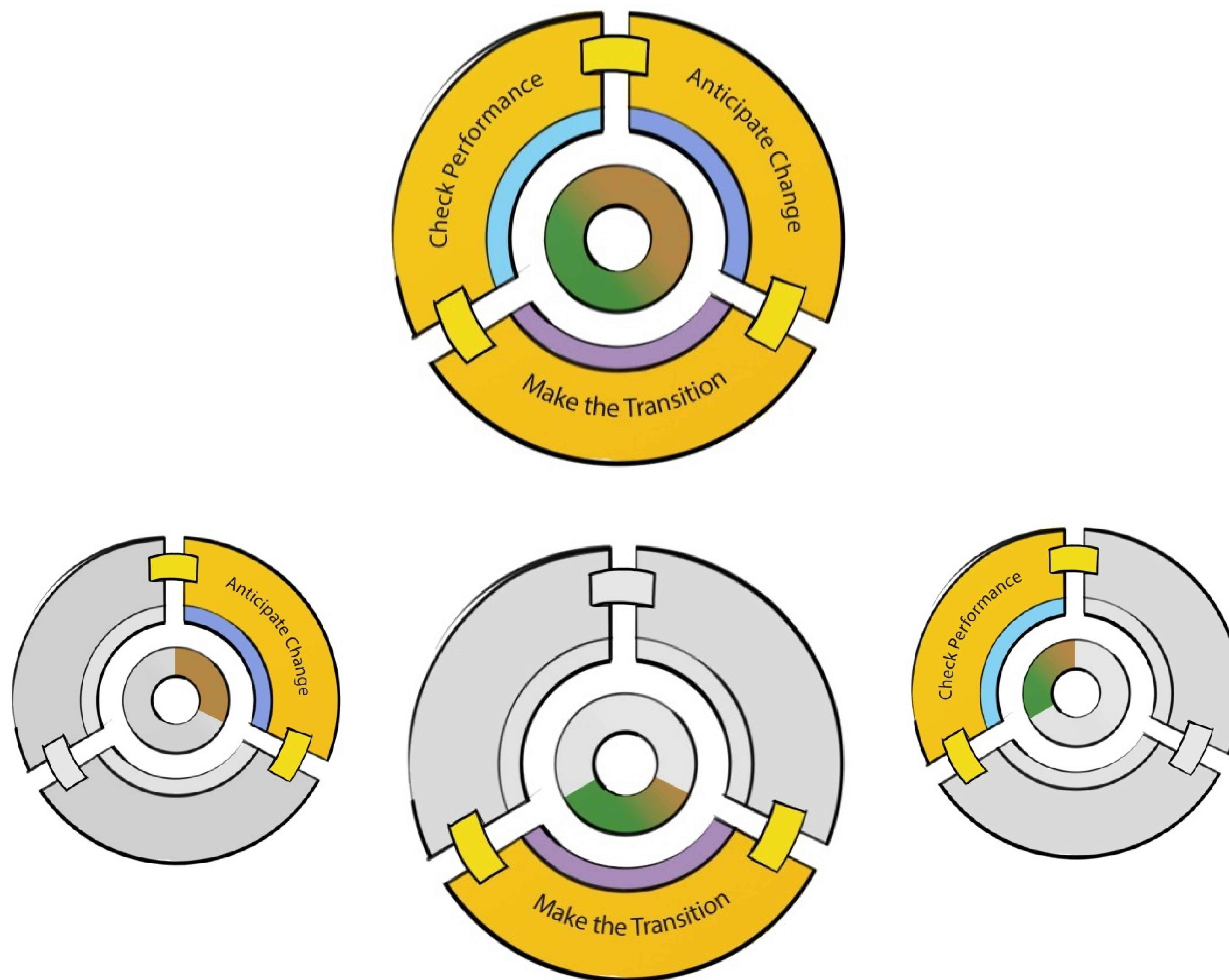
- Land use cycle
- Risk of BF emergence / persistence
- Dominant information/decision tool
- Land management cycle

# Planning practice

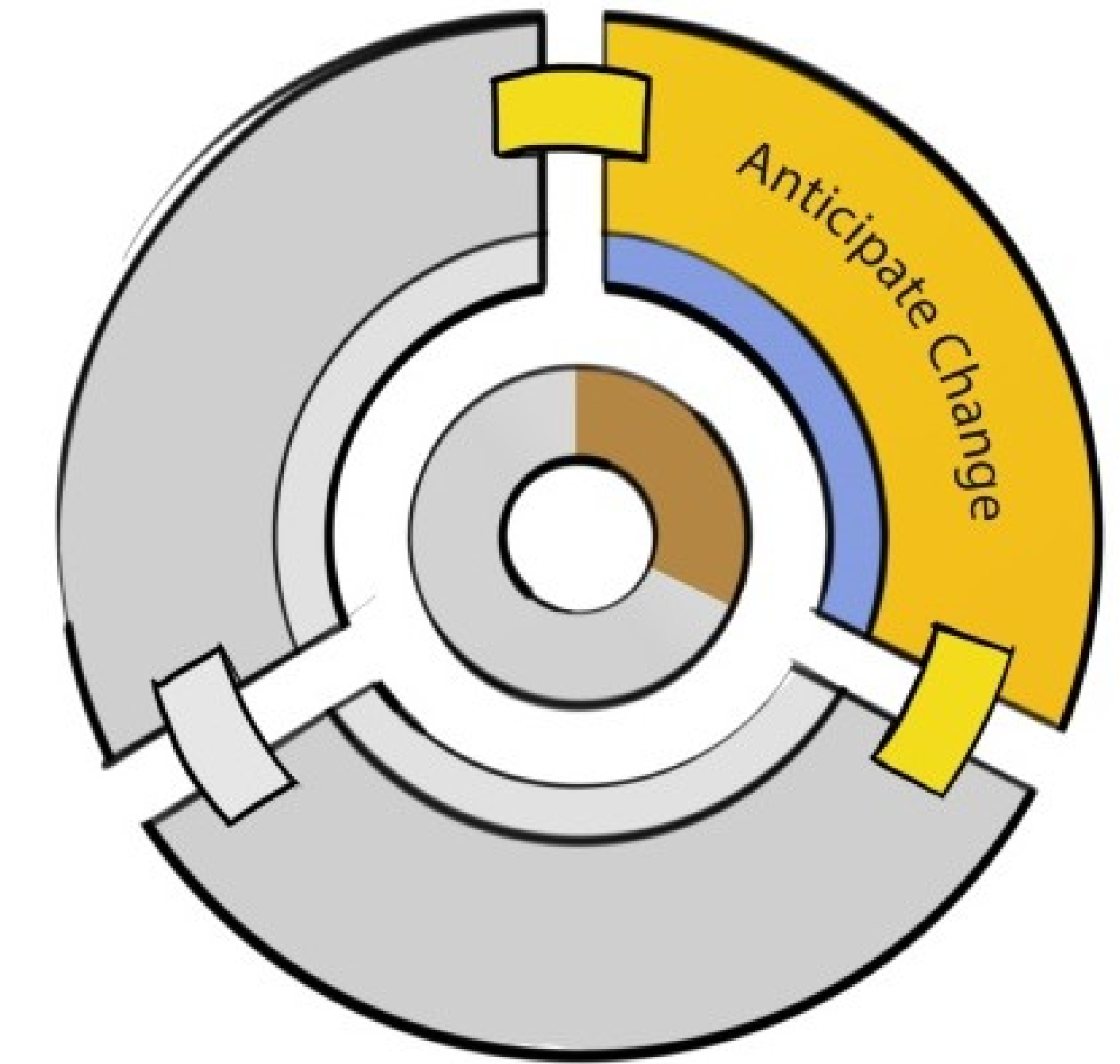




# Phases – BFN modules



# Anticipating change

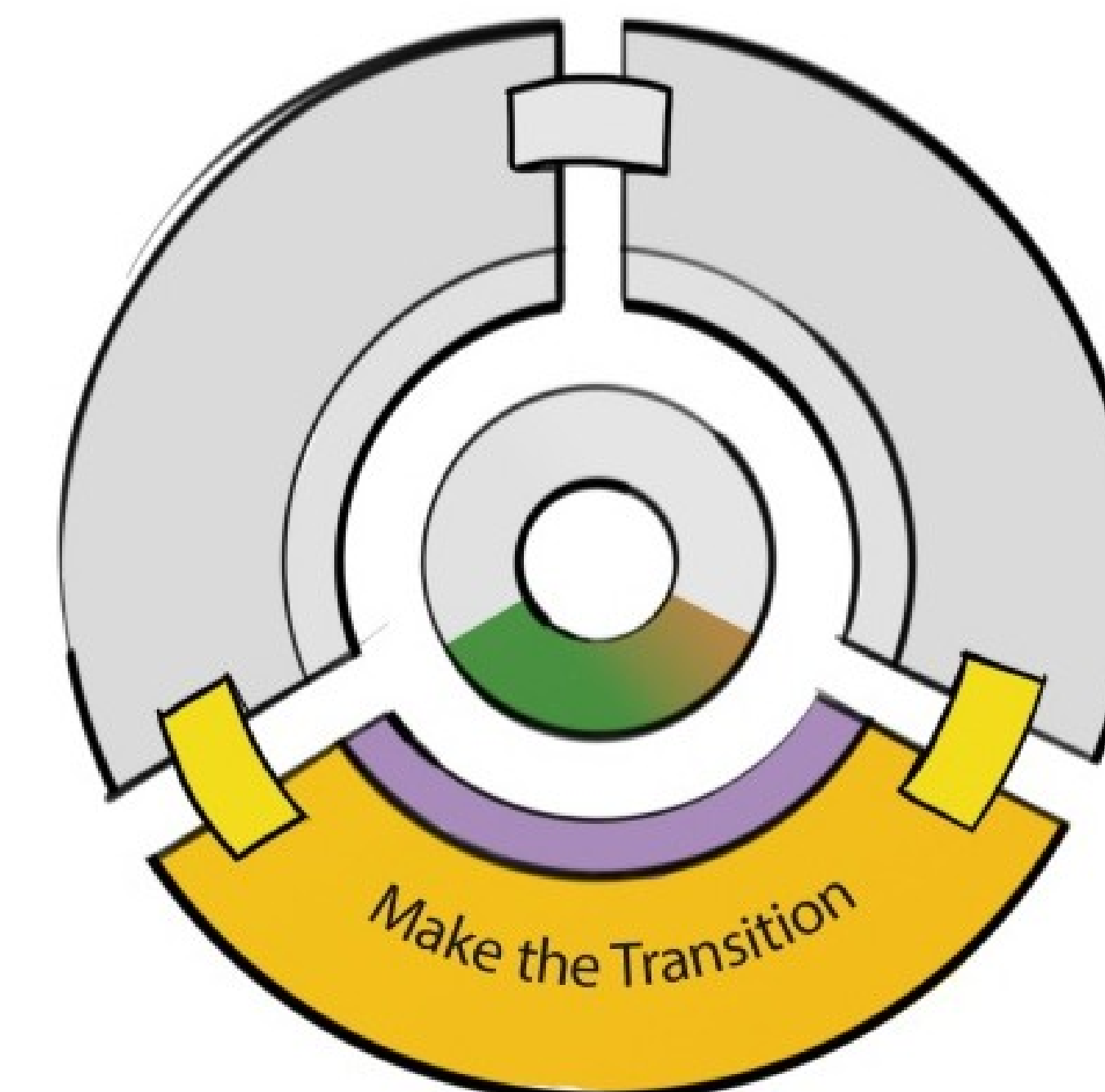


- Anticipating BrOWnfield Emergence Tool (BOWET)





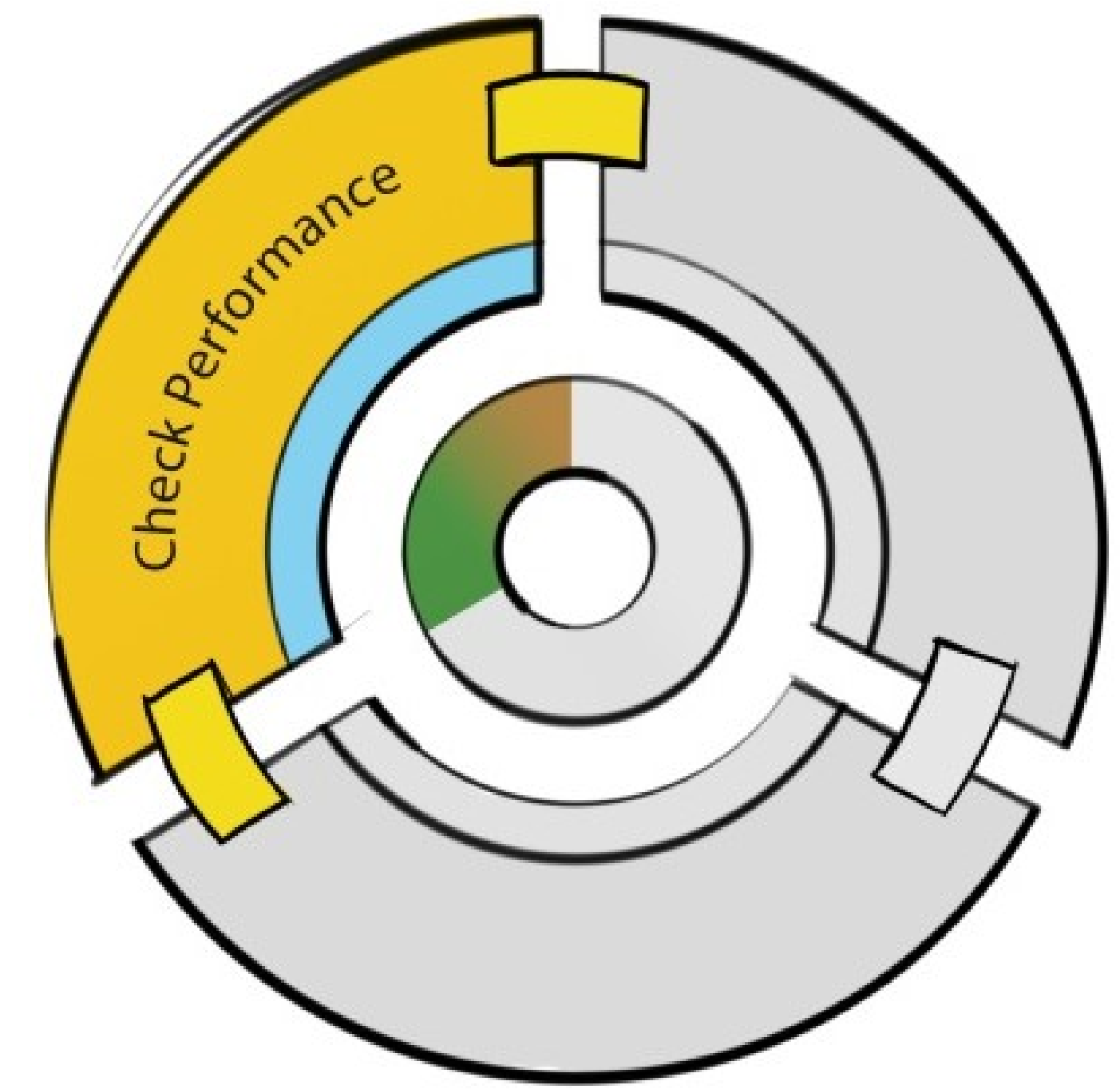
# Planning the transition



- Vision, Ambition and societal demands
- CircUse Management Tool
- Regulation checklist
- BR2 tool
- Workshop for Technology Trains
- Brownfield Opportunity Matrix
- Bioenergy tool
- Construction and Demolition waste tool
- Scenario evaluation



# Check achievement



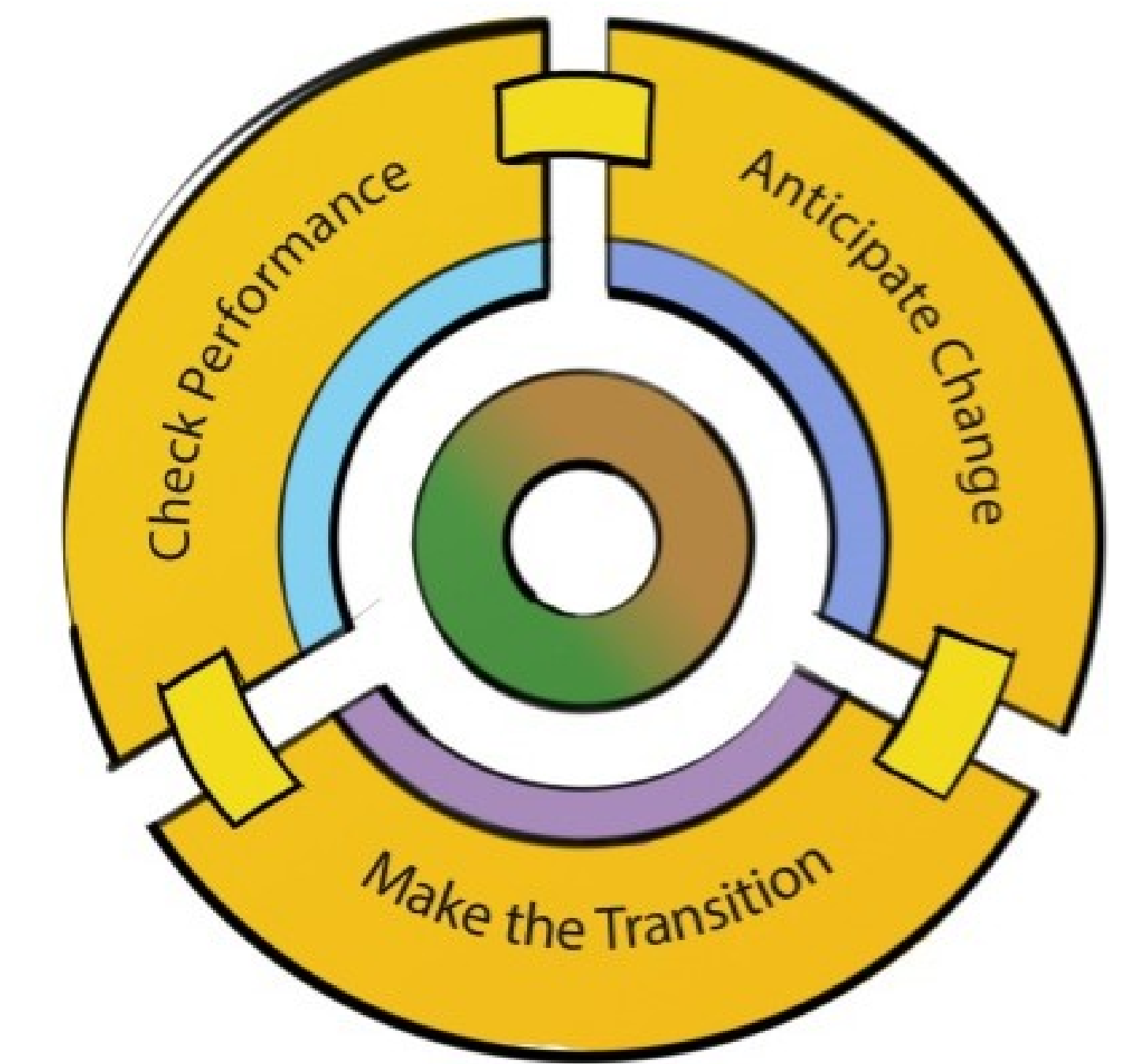
- Check achievements





# General

- Map and Sketching
- Notepad
- Example library
- Rounds Model
- Reference library



# Impression

- Overall
- Map&sketching



# Concluding

- The BFN provides an overview of helpful items per module, including visualization, information, methods and tools.
- The BFN contributes to stakeholder interaction: joint fact finding and discussion.
- The BFN does not replace the BF manager, but gives insight in management phases, decisions and to stimulate the use of the (HOMBRE) highlights that research on BF regeneration has provided and that can add to the business as usual.

# Future

- The BFN has been tested in its basic form, and can be made more fit-for use for specific users and their tasks and/or countries
- Specific items, eg cost-benefit modules, regulation / funding tools
- More elaborates visualization options
- ...



BFN is available on:

**[bfn.deltares.nl](http://bfn.deltares.nl)**

# Thank you

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