

ONDRAF/NIRAS

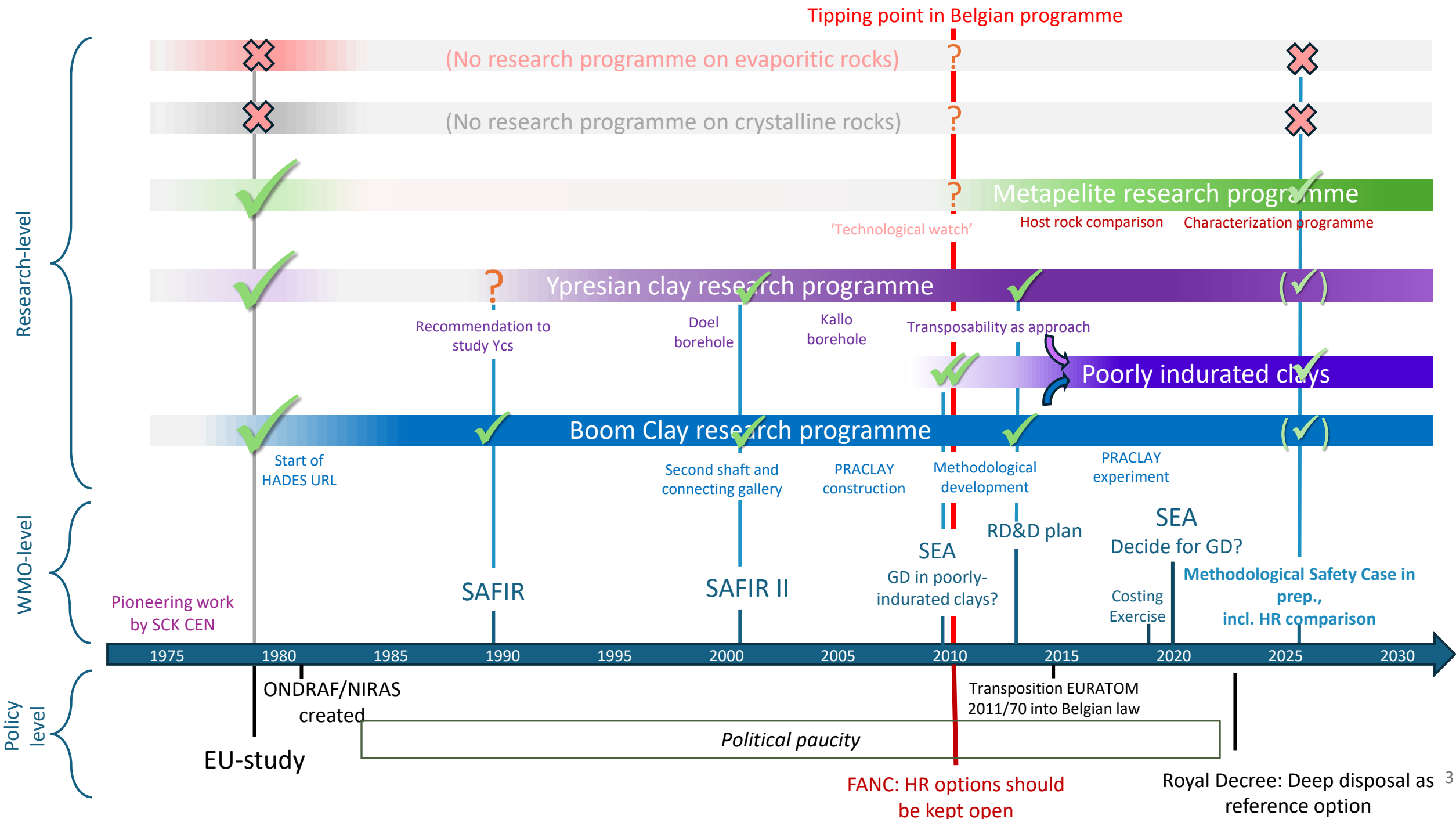
Radioactive waste management in Belgium.

Brief overview of the programme for LL and/or HLW

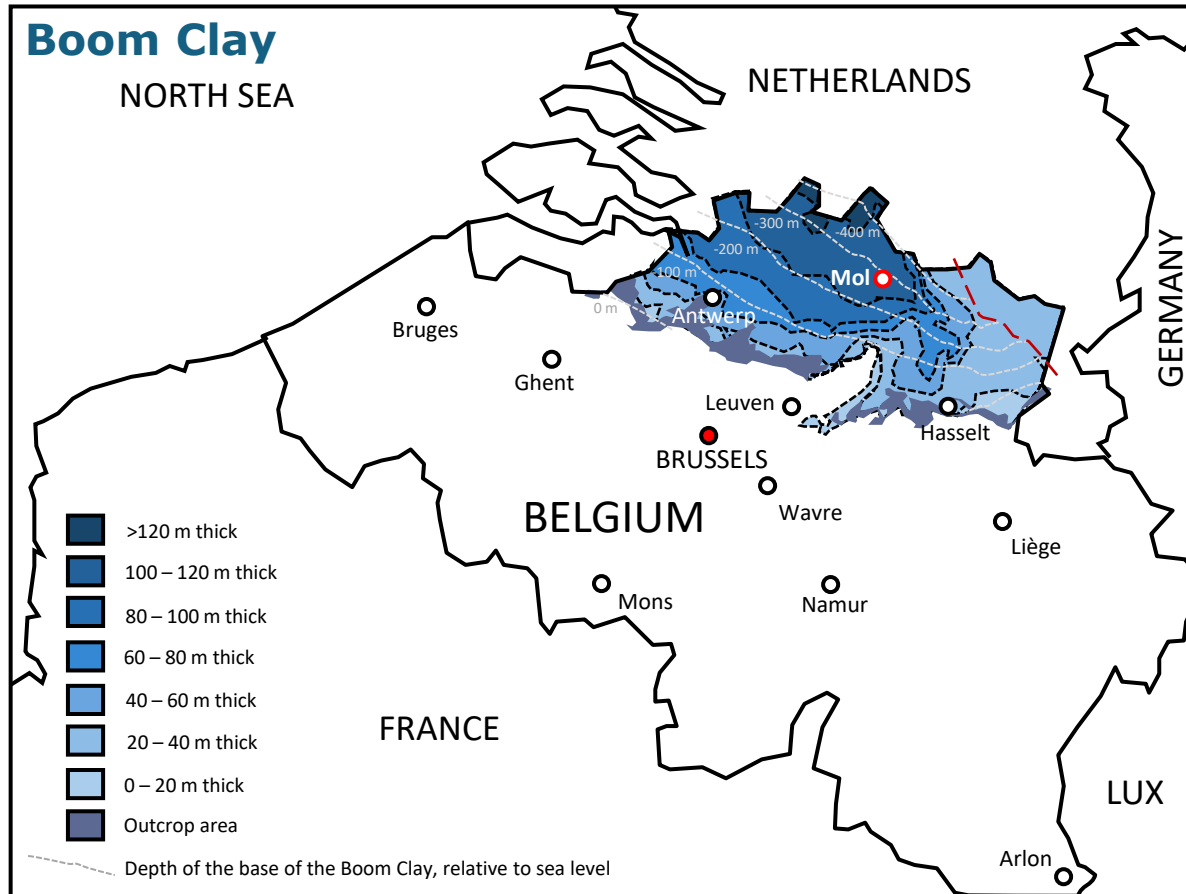
Christophe Depaus



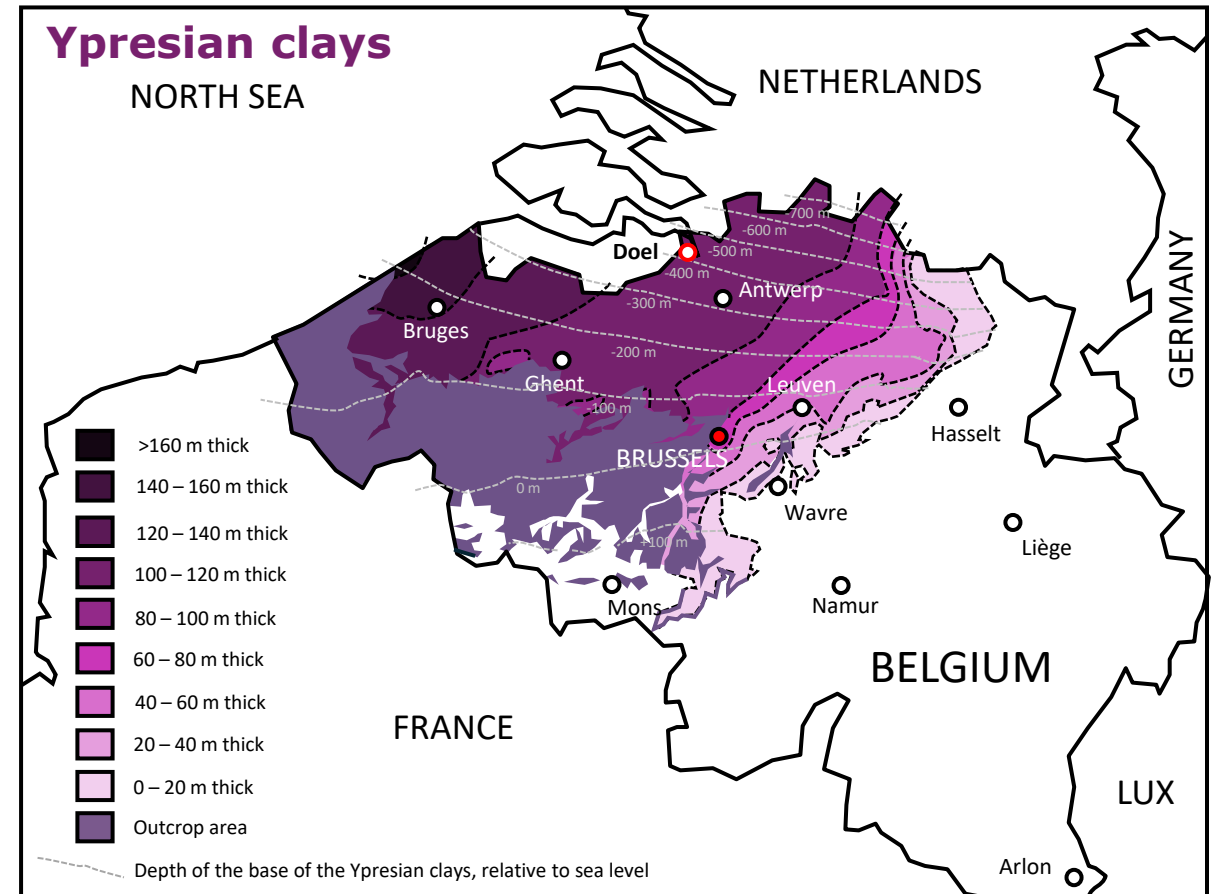
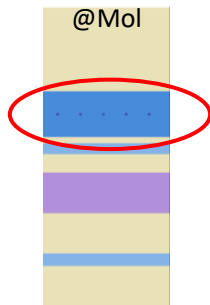
Belgian programme status



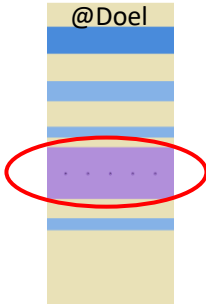
40+ years of R&D on poorly indurated clays



URL (HADES) in Mol, at a depth of 225m.
Construction started in 1980.



Exploratory borehole in Doel, drilled in 1998
Ypresian clays at 340-440 m





Interactions with civil society



Societal debate 2023-2024

Second part

- Decisional process including participation

Part n+1

• ...

2022

?

?

?

?

First part

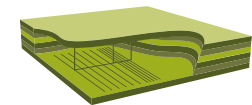
- Deep disposal
- National territory
- Decisional reversibility

Part n

- R&R modalities
- Spent fuel status

Last part

- Choice of the site(s)



Objectives of the debate

To prepare the second part of the national policy for the long-term management of B&C waste (i.e., LL-ILW and HLW)

- To confirm the solution of deep disposal.
- To sketch the decisional process and the associated recommendations:
 - Which decision(s) ?
 - With whom to develop such decision(s)?
 - Who will decide ?
 - On which basis ?
 - Order of decisions ?



NU V•OR MORGEN

Dialogoog over de toekomst
van radioactief afval.

PRÉSENT.E.S P•UR LE FUTUR

Dialogue sur l'avenir
des déchets radioactifs.

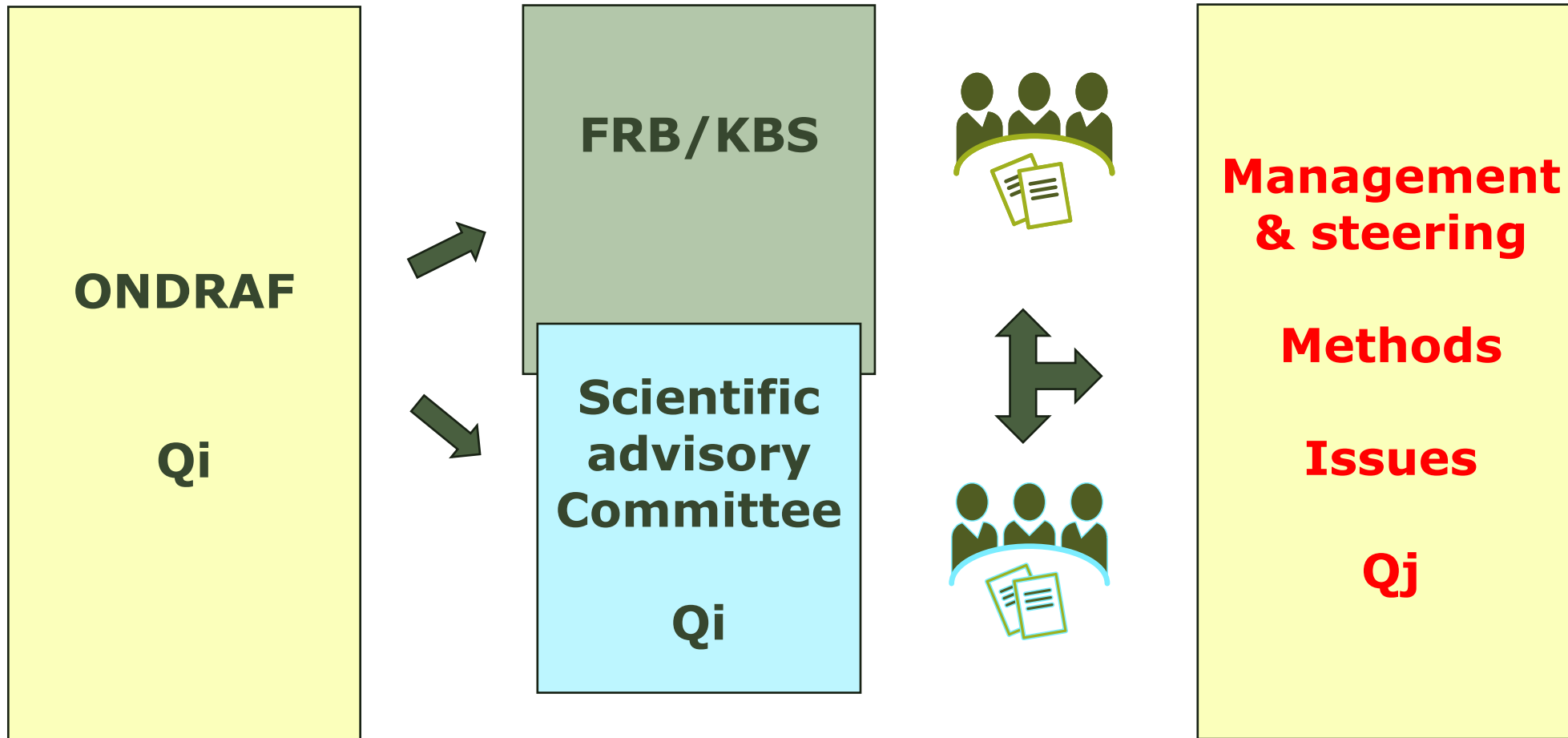
HEUTE FÜR M•RGEN

Dialog über die Zukunft
der radioaktiven Abfälle.

What civil society in Belgium for RAW ?



En then, the box was opened...



Organizing the stakeholders' debate



How do stakeholders grasp in the debate : from passive observers to « **carers** » ?

How do stakeholders transform the object of technicians into « **object of concern** » ?

How do stakeholders become a « **collective** »?



Outcomes : report of the King Boudouin Foundation

3 chantiers sous la forme de conditions préalables

- | | | |
|--|--|---|
| ① Agir en s'inspirant d'un cadre éthique | ② Créer les conditions d'une participation large et permanente | ③ Élaborer une structure de gouvernance avec une séparation claire et transparente des rôles et des responsabilités |
|--|--|---|



+ 1 chantier soulignant l'importance d'agir

- ④ Ne pas laisser le processus décisionnel au point mort



+ 3 chantiers indiquant des actions concrètes

- | | | |
|---|---|---|
| ⑤ Miser sur plusieurs scénarios et les évaluer périodiquement | ⑥ Amorcer le processus de sélection du site | ⑦ Sécuriser le financement pour les générations futures |
|---|---|---|



What is ahead ?

Near future actions

- Discussion/protocol ("*agreement*") between the Regions and the Federal state about the use of the underground;
- Creation of an independent organ to monitor/to guarantee the decision-making process;
- Development of an ethical framework for the decisional process;
- Development of the process for siting;
- To complete the (Belgian) legal framework regarding the safety provisions for a deep disposal;
- (...)

→ Many actions for different stakeholders which need to be coordinated

Thank you for your attention !

