

# NEW APPROACHES TO THE NATIONAL PROGRAMME FOR SF AND RAW MANAGEMENT

*Adela Mršková, Miroslav Kövér*  
[mrskova@njf.sk](mailto:mrskova@njf.sk)

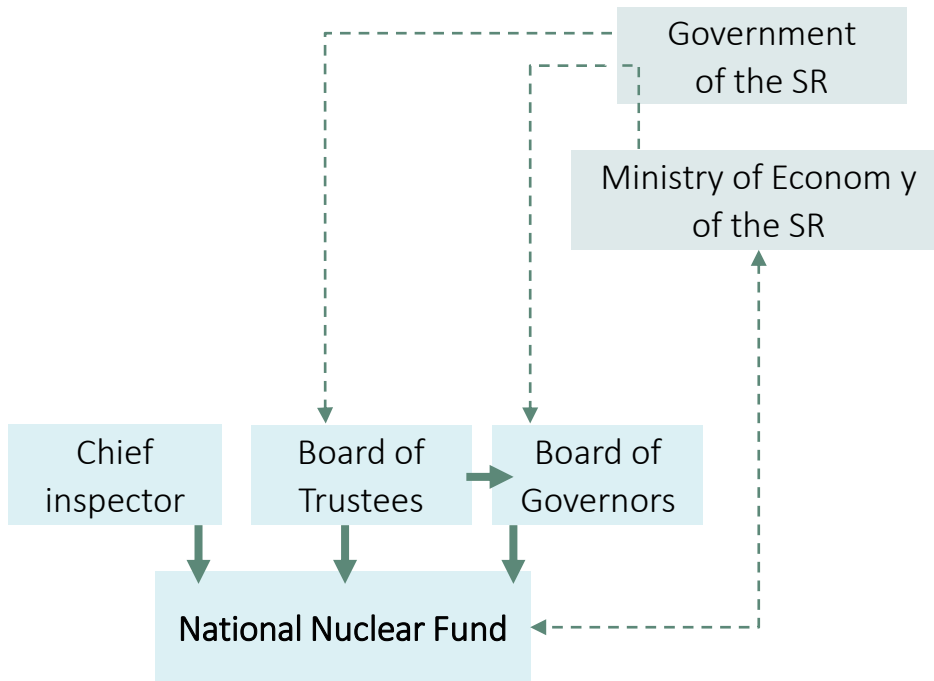
*ECED Eastern and Central European Decommissioning 26.6.2019, Trnava*

# content

- *NJF Framework*
- *International recommendations*
- *History of national programme*
- *Working groups*
- *Challenges*

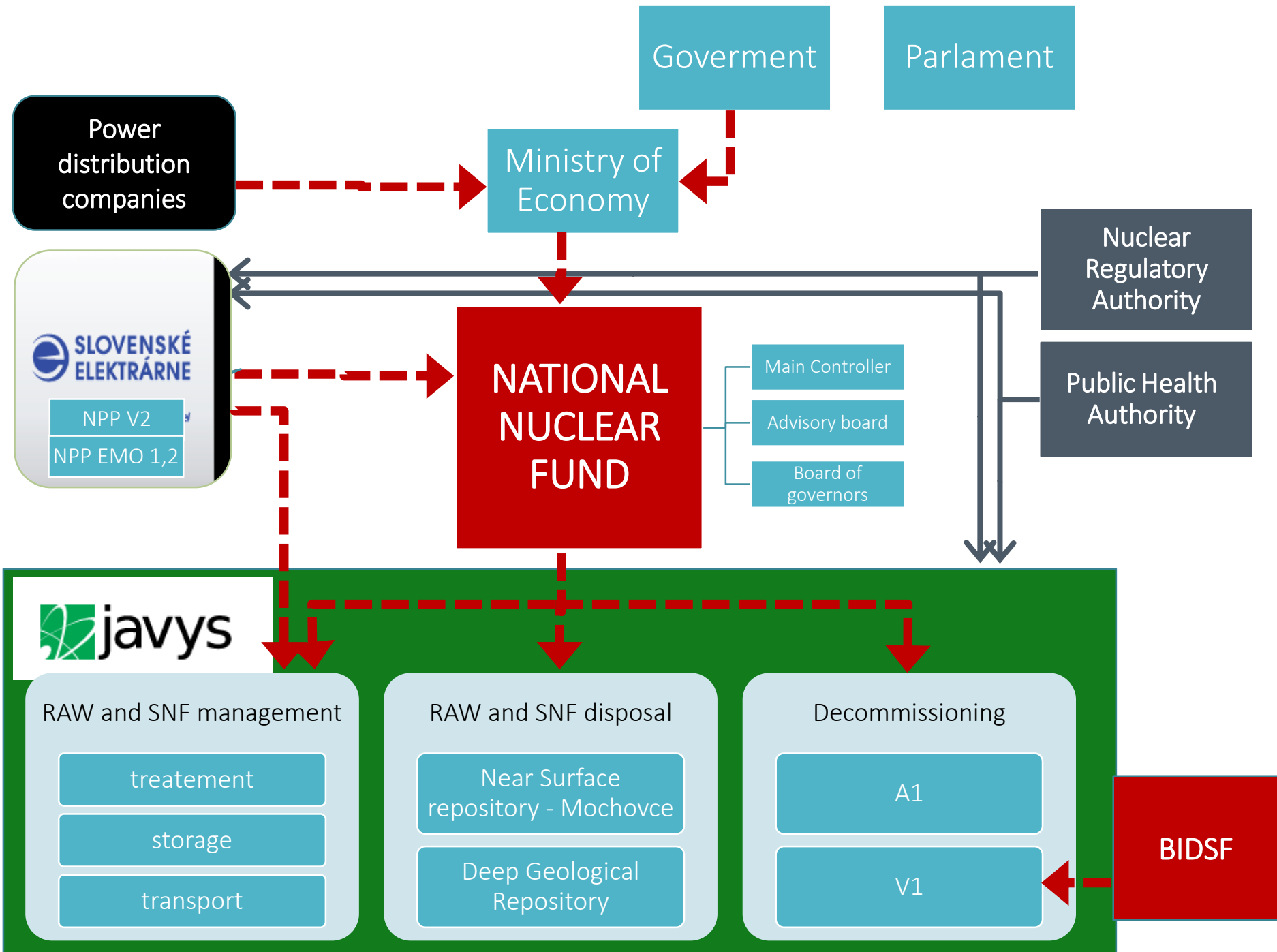


## What is national nuclear fund responsible for?



*‘The National Nuclear Fund concentrates and manages the financial resources intended for the back-end of the nuclear fuel cycle which are provided to licensed applicants in sufficient quantity, transparently and non-discriminatory’*





Government

Parlament

Power distribution companies

Ministry of Economy

SLOVENSKÉ ELEKTRÁRNE  
NPP V2  
NPP EMO 1,2

NATIONAL NUCLEAR FUND

Main Controller

Advisory board

Board of governors

Nuclear Regulatory Authority

Public Health Authority

javys

RAW and SNF management  
treatment  
storage  
transport

RAW and SNF disposal  
Near Surface repository - Mochovce  
Deep Geological Repository

Decommissioning  
A1  
V1

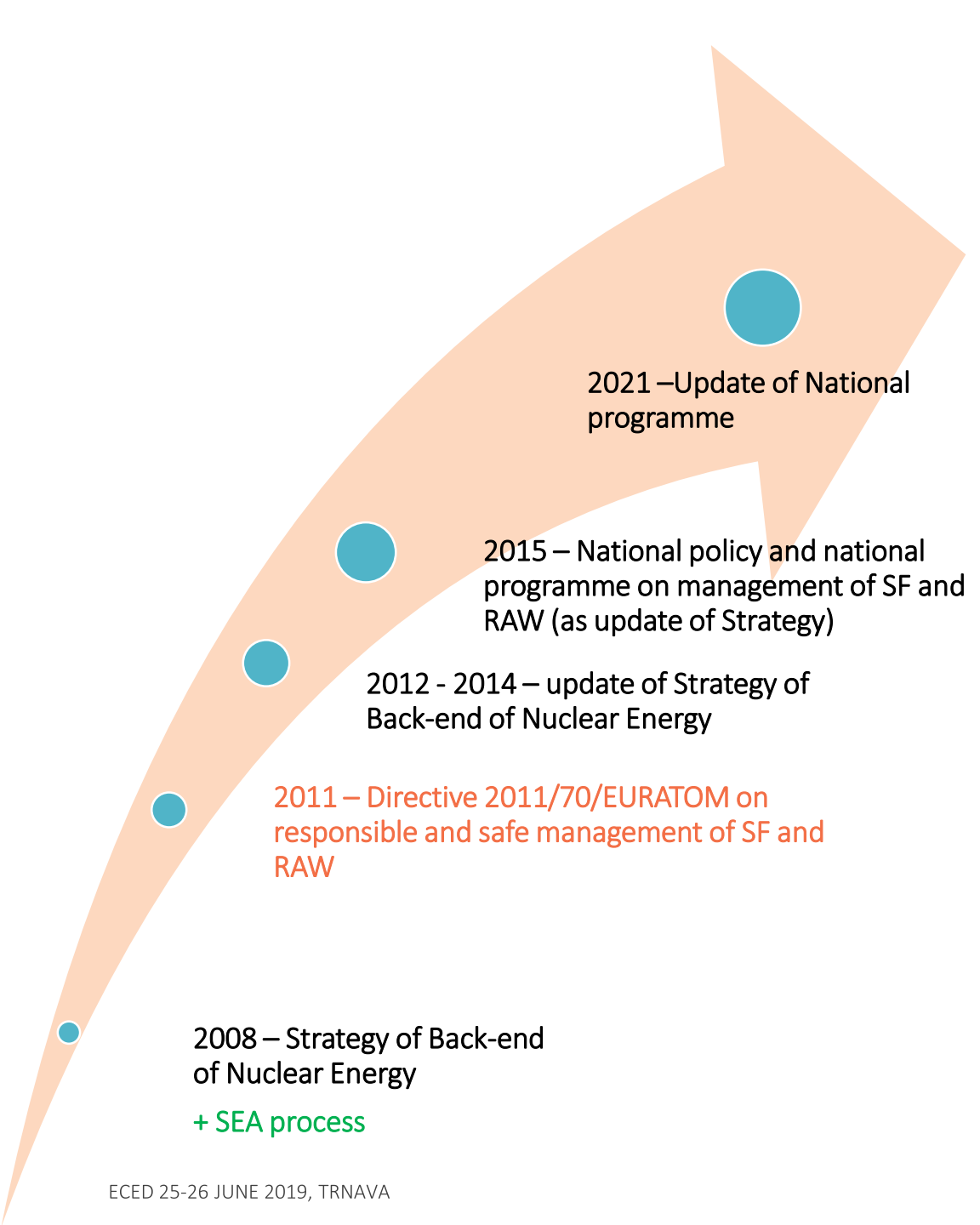
BIDSF

*‘The Board of Governors  
shall elaborate,  
in cooperation with licence  
holders and other entities,  
a draft of National Policy  
and National Program’*

What is  
national nuclear  
fund  
responsible for?



## What is the (hi)story of national programme?



2021 – Update of National programme

2015 – National policy and national programme on management of SF and RAW (as update of Strategy)

2012 - 2014 – update of Strategy of Back-end of Nuclear Energy

2011 – Directive 2011/70/EURATOM on responsible and safe management of SF and RAW

2008 – Strategy of Back-end of Nuclear Energy

+ SEA process



# Act No. 308/2018 Coll. on National Nuclear Fund

## Strategies and National programme—2008-2015

### Other national strategies and policies

- *Energy policy*
- *Environmental strategy*
- *Agenda 2030*

### Directive EC 2011/70/EURATOM

- *Guides*
  - *Recommendations of EC reports evaluation*
  - *Comparison of other national programmes*
  - *IAEA Joint Convention Reporting*
- Existing and planned activities of nuclear fuel cycle back-end
  - Nuclear facilities in Slovakia
  - Means and cost of NJF

NJF

bases for  
programme  
update



## *Main outcomes of the 1st Report*

- **DETAILS** - Varying degree of details in the different national programmes
- **SEA** - Overall the programmes of more than half of the MS have been subject of Strategic Environmental Assessment
- **MILESTONES** - Long term milestones have not been clearly presented
- **KNOWLEDGE MANAGEMENT** - The importance of research, knowledge management and training of staff of all parties in the long-term management of spent fuel and radioactive waste has been underlined.
- **INVENTORY** - future forecasts of inventories pose challenges,
- **SHARED SOLUTION** - Most of MS with no nuclear programmes aim at finding a shared disposal solution for geological disposal
- **KPI** - Majority of MS have not clearly defined the Key performance indicators
- **STAKEHOLDERS** - The way to involve stakeholders appears to be for most MSs a sensitive social and political issue and remains a challenge.
- International peer reviews like **ARTEMIS** are aimed to be independent peer reviews based on internationally agreed safety standards

# Implementation of Directive 2011/70/EURATOM

Lessons learned and way forward on the implementation of the Council Directive 2011/70/EURATOM

National Framework and National Programme







# IAEA Joint convention periodical reporting

Questions on Slovak report

- what technical evaluation and public acceptance activity did the Slovak Republic conduct for the candidate site of DGR
- public outreach and communication with stakeholders
- „dual track approach“ –international solution
- DGR road map development

## National programme

- *Long term and sustainable*
- *applicable*
- *acceptable*



**POLICY** – general principles,

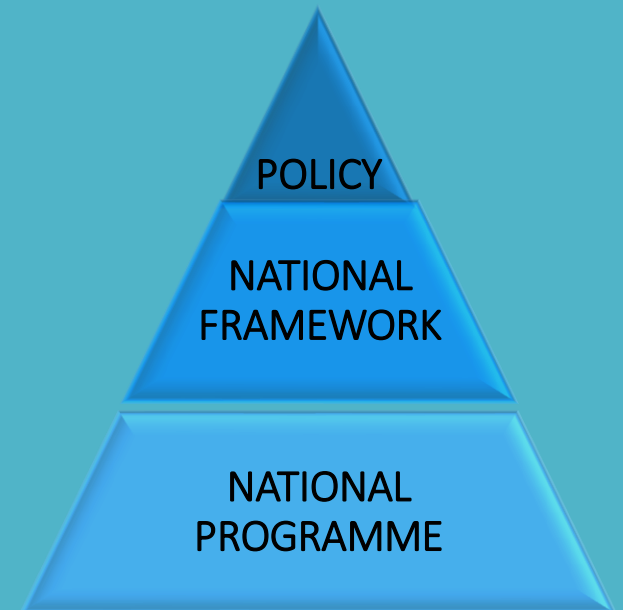
**FRAMEWORK** – Responsibilities and coordination between competent and other bodies

**PROGRAMME** – Specific measures for policy implementation  
inventár VJP a RAO, IRAO a RMNP

# NJF

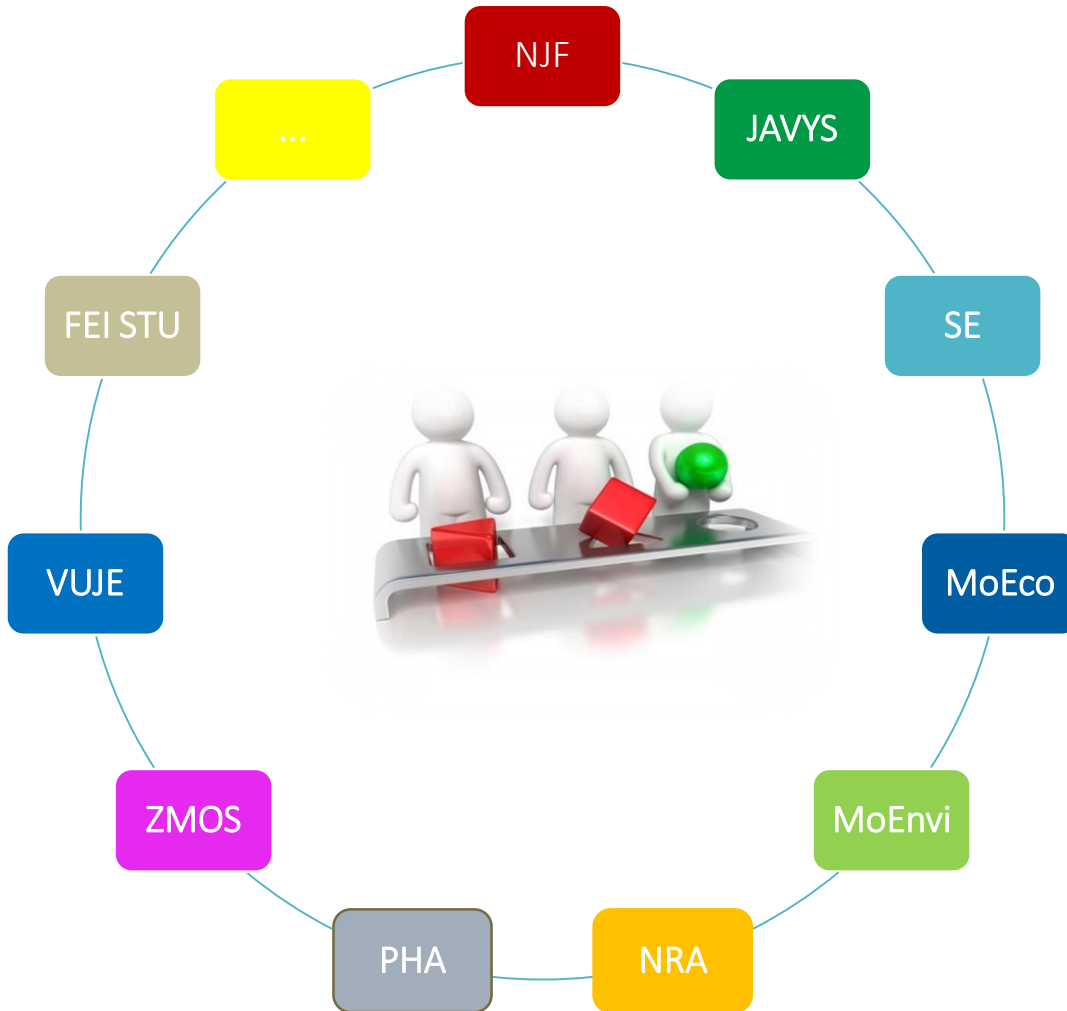
---

goals of  
national  
programme  
upgrade



national  
programme

KEY  
stakeholders



## POLICY AND FRAMEWORK WG

DECOMMISSIONING  
WG

RESEARCH AND  
TRAINING WG

WG on RAW  
MANAGEMENT  
(VLLW AND LLW)

TRANSPARENCY,  
STAKEHOLDERS  
ENGAGEMENT AND  
LEGAL ISSUES WG

WG on SF AND ILW  
MANAGEMENT

INSTITUTIONAL  
WASTE AND ORPHAN  
SOURCES  
MANAGEMENT WG

GEOLOGICAL  
DISPOSAL WG

**FINANCING WG**

## working groups



## working group management



- Board of Governors** – responsible for WG and draft
- WG members** - content proposal and comments to draft, recommendations
- Licence holders** - background studies and documents
- Nuclear fund** - National programme draft



- **Description of recent situation**
- **Background studies** – licence holders provide background information, documents and studies
- **Analysis** of needs and requirements
- **Plans** – short-term and long-term time schedules
- **Recommendations and tasks**





## what are main challenges?

- Re-evaluation of national policy (national and international issues)
- Re-evaluation of estimated costs for A1, V1 NPPs and solution for historical debt—sufficient financial resources is one of the most important tools for implementation of the solutions in the National Program
- Clearly determine **key-performance indicators**
- **Road map** for the geological disposal – especially milestones, WHO has WHAT role in the process
- Stakeholders involvement





Thank you for  
your attention