

# **GNSSN Development**

## **German View on safety networks**

**2<sup>nd</sup> GNSSN Steering Committee (SC) Meeting**

**03–05 April 2013, Vienna, Austria**

H. Teske (Germany)

# Content

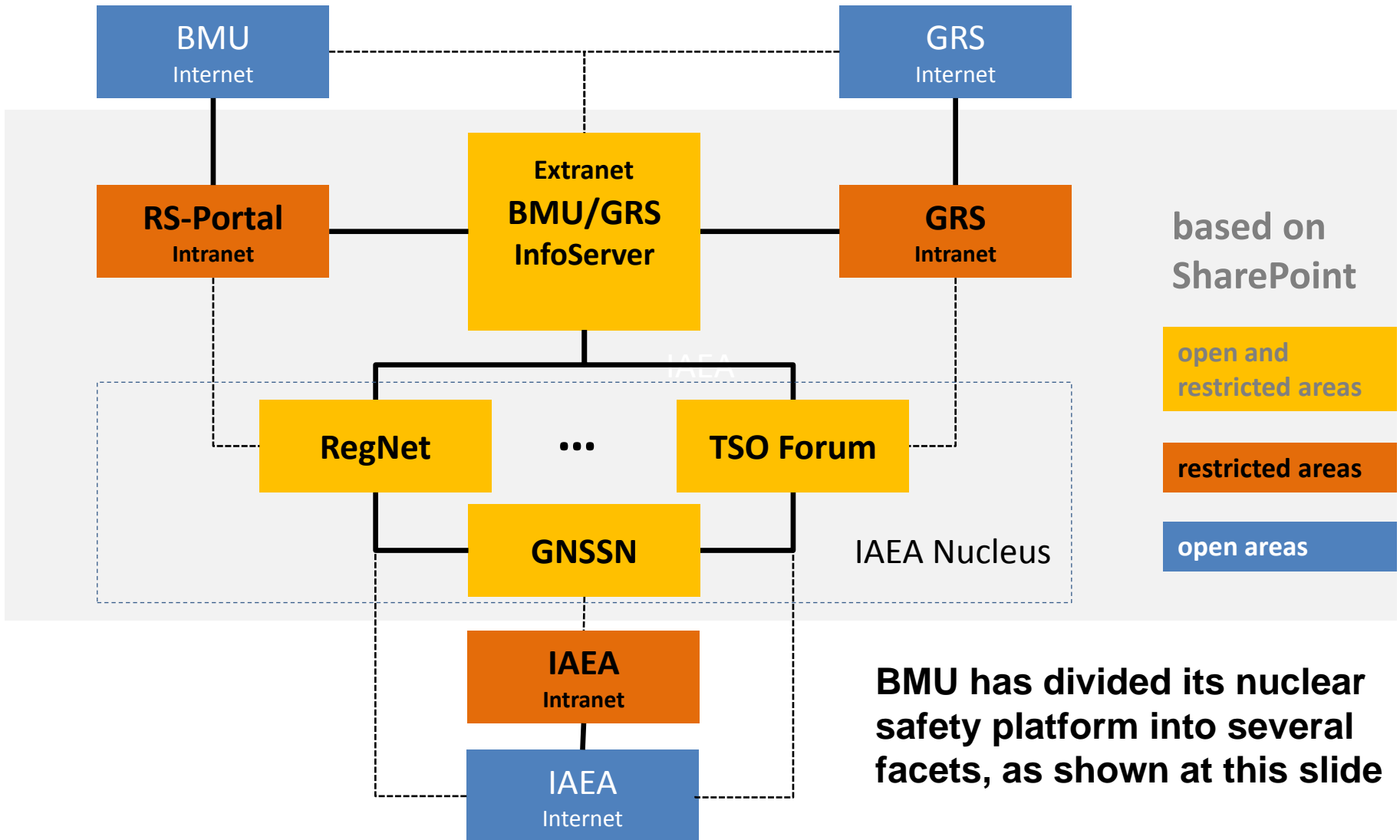
- Information and Knowledge Management on Nuclear Safety in Germany
- Interconnection of Resources
- Information and knowledge platforms used by BMU
- German NNRP as interface between national resources and GNSSN/RegNet
- Expectations regarding GNSSN development in 2013 and Future Tasks

## Information and Knowledge Management on Nuclear Safety in Germany

- In Germany the regulatory body BMU is continuously using web-based platforms to make nuclear safety and security information, knowledge and experience visible and available.
- This is in line with the GS-R-3 requirement to manage information and knowledge as a resource.
- Together with its TSO, the GRS, a well-structured national IT-platform on several levels was established and is being permanently maintained.
- The access to respective parts of information and knowledge is organized under consideration of the relevant authorization.
- Beside national also international resources are included in this system by using the different nuclear safety networks
- In this respect we fully share the statement in the GNSSN ToR, approved at the 1<sup>st</sup> SC, that *networking has been recognized as a very effective instrument for enhancing the sharing of knowledge and experience essential to the implementation of appropriate safety and security measures. GNSSN is an inclusive concept that brings together, links and complements all existing networks and initiatives.*
- **Information and Knowledge Management is essential but it is nothing without Collaboration Space and Activities. The solution is GNSSN and other nets, which based on Sharepoint.**

# Interconnection of national and international Information and Knowledge Resources

Intranet ↔ Extranet: InfoServer/GNSSN ↔ Internet



# Internal BMU information and knowledge portal on reactor safety

## BMU RS-Portal

The first facet of the BMU nuclear safety platform:

### Internal RS-Portal

- designed to facilitate its own employees and to enhance their expertise and performance
- IT security rules does not allow access for other nuclear safety stakeholders

Another facet is the

### BMU Internet

- designed for sharing information, with the general public and other stakeholders

The screenshot shows the BMU RS-Portal intranet interface. At the top, there is a search bar and navigation tabs for different departments: HAUSLEITUNG, ABTEILUNG ZG, ABTEILUNG KI, ABTEILUNG RS, ABTEILUNG WA, ABTEILUNG IG, and ABTEILUNG N. The main content area is titled 'Intranetportal des BMU >> Abteilung RS' and features a large image of a document. Below the image, the text reads: 'Sicherheit kerntechnischer Einrichtungen, Strahlenschutz, nukleare Ver- und Entsorgung'. The department head is listed as 'MinDir Gerald Hennenhöfer' with the phone number '0228 99 305-2800/-2801'. There are two links for phone directories: 'Telefonverzeichnis BFS' and 'Telefonverzeichnis der Abteilung'. A paragraph of text states: 'Das BMU ist das für die kerntechnische Sicherheit und den Strahlenschutz zuständige Bundesministerium. Das Ministerium trägt die gesamtstaatliche Verantwortung für den wirksamen Schutz von Mensch, Umwelt und Sachgütern vor nuklearen Gefahren und Risiken sowie vor der schädlichen Wirkung von Strahlung.' The left sidebar contains a menu for 'ABTEILUNG RS' with items like 'Planung & Steuerung RS', 'Fachaufgaben', 'Haushalt & UFOPLAN', 'Recht & Regelwerk', 'RS-StabsOrg (Notfallschutz)', 'RS Teamsites', 'RS I Sicherheit kerntechnischer Einrichtungen', 'RS II Strahlenschutz', 'RS III Nukleare Ver- und Entsorgung', and 'Über "IntranetPortal RS"'. Below this is a 'SCHNELLZUGRIFF' (Quick Access) section with icons for 'Mitarbeiter & Telefon', 'Organigramm des BMU', 'Gleitzzeitstelle', 'Bibliothek', 'Formulare', 'GO-BMU, andere Regelungen', 'Aktenplan', 'Intranet Hilfe & Ansprechpartner', and 'Sitemap'. The right sidebar has a 'Telefonbuch' (Phonebook) with an alphabetical index and a search box. Below it is 'Abteilung RS informiert' with a news item: 'Neue Vorhaben 24.07.2012 15:03 verfügbar von Krämer, Stefan'. The bottom section is titled 'Geschäftsverteilungsplan' and contains a box with the following text: 'Abteilung RS', 'Sicherheit kerntechnischer Einrichtungen, Strahlenschutz, nukleare Ver- und Entsorgung', 'MinDir Gerald Hennenhöfer', '- 2800 -', 'Vorzimmer: Stephanie Schmitz'.

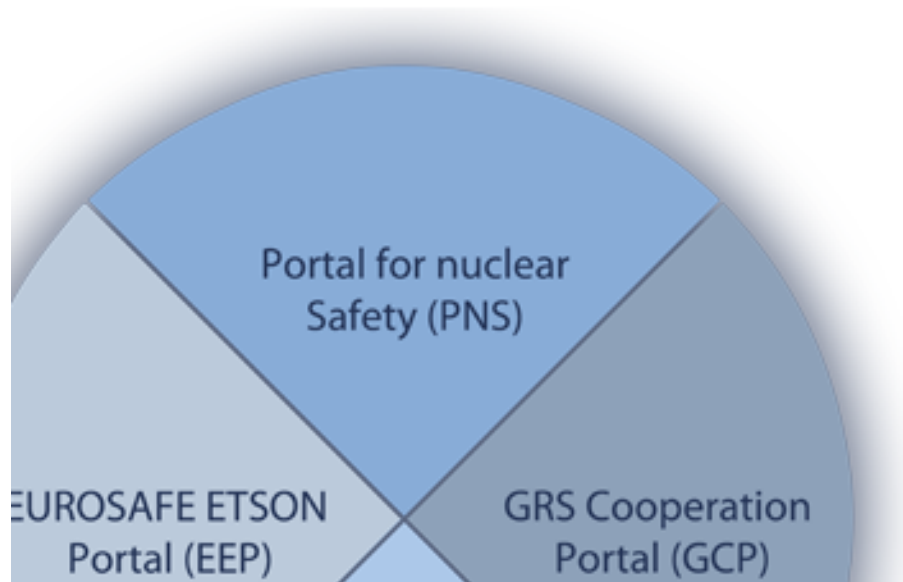
## External information and knowledge portal of BMU

### Extranet: Portal for nuclear safety (PNS)

#### BMU Extranet is the collaboration facet with authorized access

- The PNS is a platform for nuclear safety and security including radiation protection, transport and waste safety.
- It is used by BMU for national purposes (exchange of information and collaboration with German state authorities, advisory bodies, TSOs and others)
- It is used by BMU for international purposes (storage of information and space for collaboration to prepare German positions)

■



#### Portal for nuclear Safety (PNS)

The Portal for Nuclear Safety is an information and knowledge platform for nuclear safety and security, including the radiation safety and disposal.

Das Portal wird von BMU, BfS und GRS The Portal is used by BMU; BfS and GRS

- for providing information
- for knowledge management and
- for cooperation

with nuclear regulators of countries and their experts as well as with other external organizations and users.

# External information and knowledge portal of BMU

## Extranet: Portal for nuclear safety (PNS)

**BMU Extranet is splitted into 8 different areas, shown below**  
(similar to the parts of the BMU Intranet)

The Portal serves for providing information, knowledge management and the cooperation of BMU, BfS, GRS, nuclear regulation authorities of the German Laender and their experts as well as for the cooperation with other external organisations and users. 

**Management:** Basic information, tools, procedures and processes for support, in order to achieve the results as targeted

**Emergency Center:** The existing website to support the responsible persons during emergency training and real emergencies.

**Networks:** Access to global and regional nuclear safety and security networks like, GNSSN, RegNet, ETSON, ANSN, GSAN, FORO.

**Technical Tasks:** Technical tasks; knowledge on regulatory topics; technical information and workshops for professional education and vocational training.



**Legal Regulation:** Access to actual national and international legal regulation and to the current process and projects for their elaboration.

**National:** National organisations, bodies and activities for cooperation on nuclear safety and security.

**International:** International organisations, bodies and activities for efficient cooperation in bodies and processes.

**Projects:** Programmes of national regulatory research and specific projects with copies of central project maps on current projects.

# External information and knowledge center of BMU and GRS

## Extranet: InfoServer

Beside the PNS other Extranet-Portals could be found at the InfoServer.

- GRS Cooperation Portal and the ETSON/Eurosafe Portal

The "InfoServer" is the core of the extranet "NEXTRA" provided by the GRS in its demilitarized zone.

NEXTRA is a consistent and clearly structured web-based platform for inter-institutionary information and knowledge management as well as for national and international cooperation of GRS with its partners and diverse teams. The "InfoServer" is based on Sharepoint Server 2010. In its current state, the InfoServer is structured as four portal areas.



### EUROSAFE ETSON Portal (EEP)

EUROSAFE ETSON Portal is currently in preparation.

From the main page, an access is provided to the EUROSAFE and ETSON information and knowledge platform.

The third area of the Portal is provided for the ETSON Junior Staff Programme (JSP).

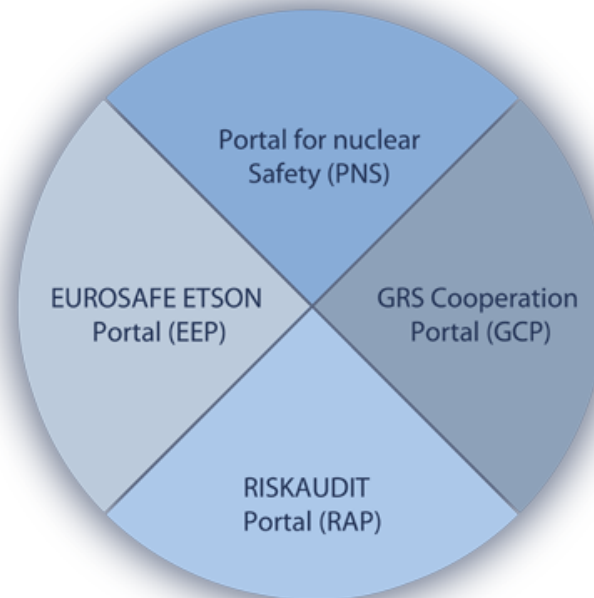
### RISKAUDIT Portal (RAP)

RISKAUDIT Portal is in planning.

It will serve as an information and cooperation platform of RISKAUDIT and its partners.

The portal will comprise:

- Pages with overviews of the cooperation with specific partners
- Project pages with the central files of specific projects
- Public area for general information



### Portal for nuclear Safety (PNS)

The Portal for Nuclear Safety is an information and knowledge platform for nuclear safety and security, including the radiation safety and disposal.

Das Portal wird von BMU, BFS und GRS. The Portal is used by BMU; BfS and GRS

- for providing information
- for knowledge management and
- for cooperation

with nuclear regulators of countries and their experts as well as with other external organizations and users.

### GRS Cooperation Portal (GCP)

The GCP is an information and cooperation platform of the GRS and its partners.

The Portal comprises:

- Team pages for specific topics for sharing with external partners
- Project pages for national and international projects with external partners
- Overview pages for cooperation with institutions, organizations and countries.

The main structure is divided into bilateral, EU and EBRD cooperation.



# German Interface to international information and knowledge sources

## Extranet: German NNRP

### German NNRP today (State of 2012/12 – English Version)

#### New items:

- Nuclear power in Germany before the Fukushima accident
- Future role of nuclear power in Germany after the Fukushima accident

#### Updated the following items:

- Country Nuclear Regulatory Profile (CNRP)
- National Nuclear Safety Regulations
- Review Missions
- Event Reporting&Feedback

November 2012

Today



New GNSN website template

## Expectations regarding GNSSN development and Future Tasks

- GNSSN should be a global forum to exchange experiences between regional, thematic and other networks.
- GNSSN/RegNet should support national regulators to achieve and promote nuclear safety and security by enabling adequate access to information and knowledge resources on national and international level.
- GNSSN should promote the dissemination of information on safety and security issues as well as information of good practices for addressing and resolving such issues.
- GNSSN should enable synergies among different web based networks and to strengthen and enhance global nuclear safety regime to serve the specific needs of regulators and international organizations.
- GNSSN human network prevail IT network. Actions of GNSSN should be based on an adequate balance between various activities by bringing people together in face-to-face activities, joint work, working meetings, conferences, training sessions in addition being an IT-based information sharing forum.

## Expectations regarding GNSSN development and Future Tasks (2)

- A critical review of the activities and results after the 1st SC should be the base for the next activities
- Official establishment of the first working/topical groups
- Establishing a working approach and scheme with the National Coordinators for GNSSN/RegNet/NNRP
- 2<sup>nd</sup> NNRP workshop (10-12 June 2013, IAEA Vienna) to deepen the knowledge on NNRP and to exchange experience for the further development of the NNRP
- Assistance/support to selected MS in developing their own NNRP by IAEA staff and experts from MS prepared pilot NNRP
- Further development/update belongs to the following items/sites:
  - Ownership/responsibility for specific sites/pages/etc. →
  - Proposals to improve the navigation (main and special) →
  - Specific proposals to improve RegNet (in preparation of CS March) →