

Topical Day on Creating synergies on regional assistance capabilities for nuclear/radiological emergency response

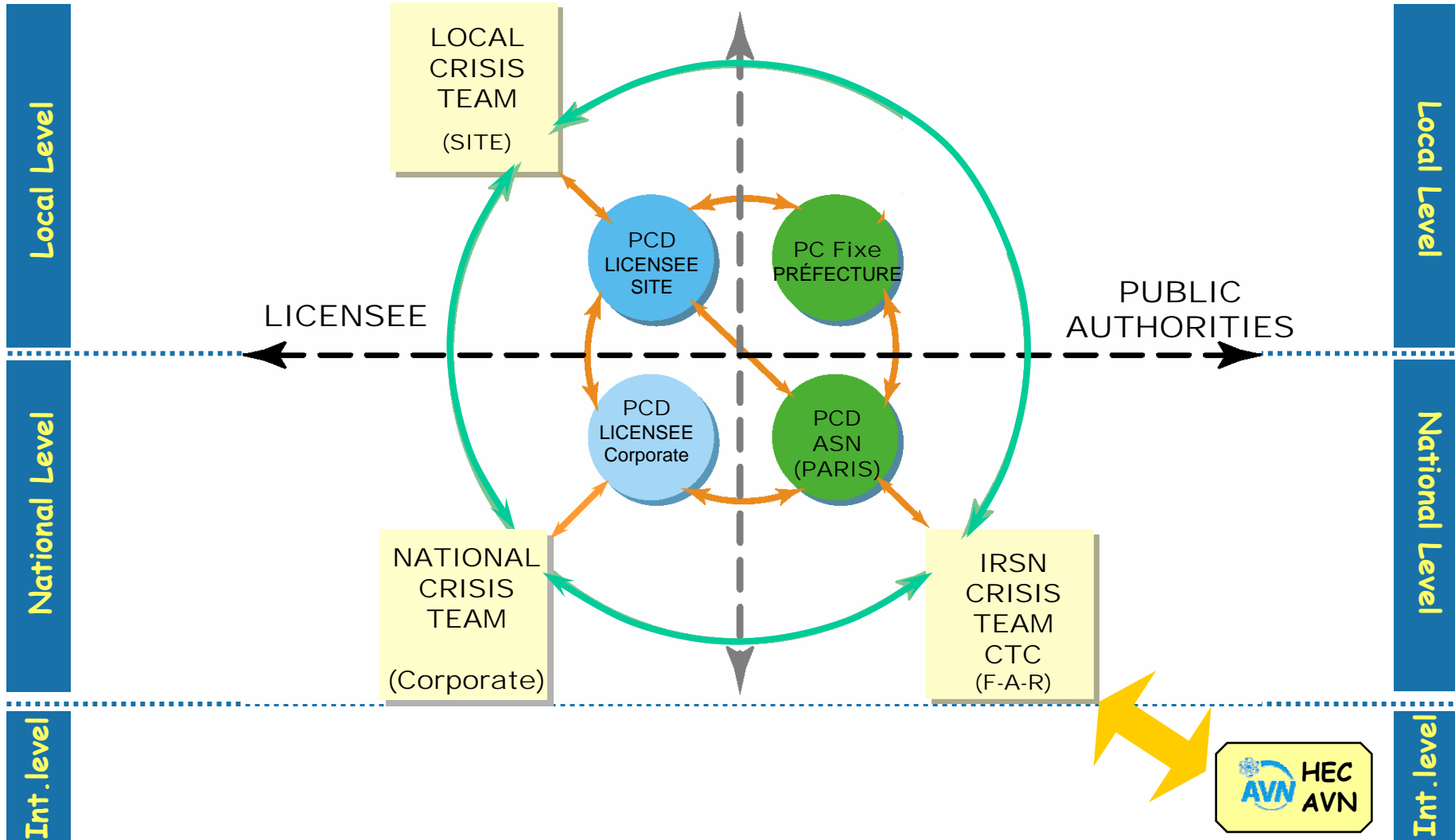
IRSN-AVN Co-operation Agreement
An example of efficient synergy improving mutual capabilities for nuclear and radiological responses

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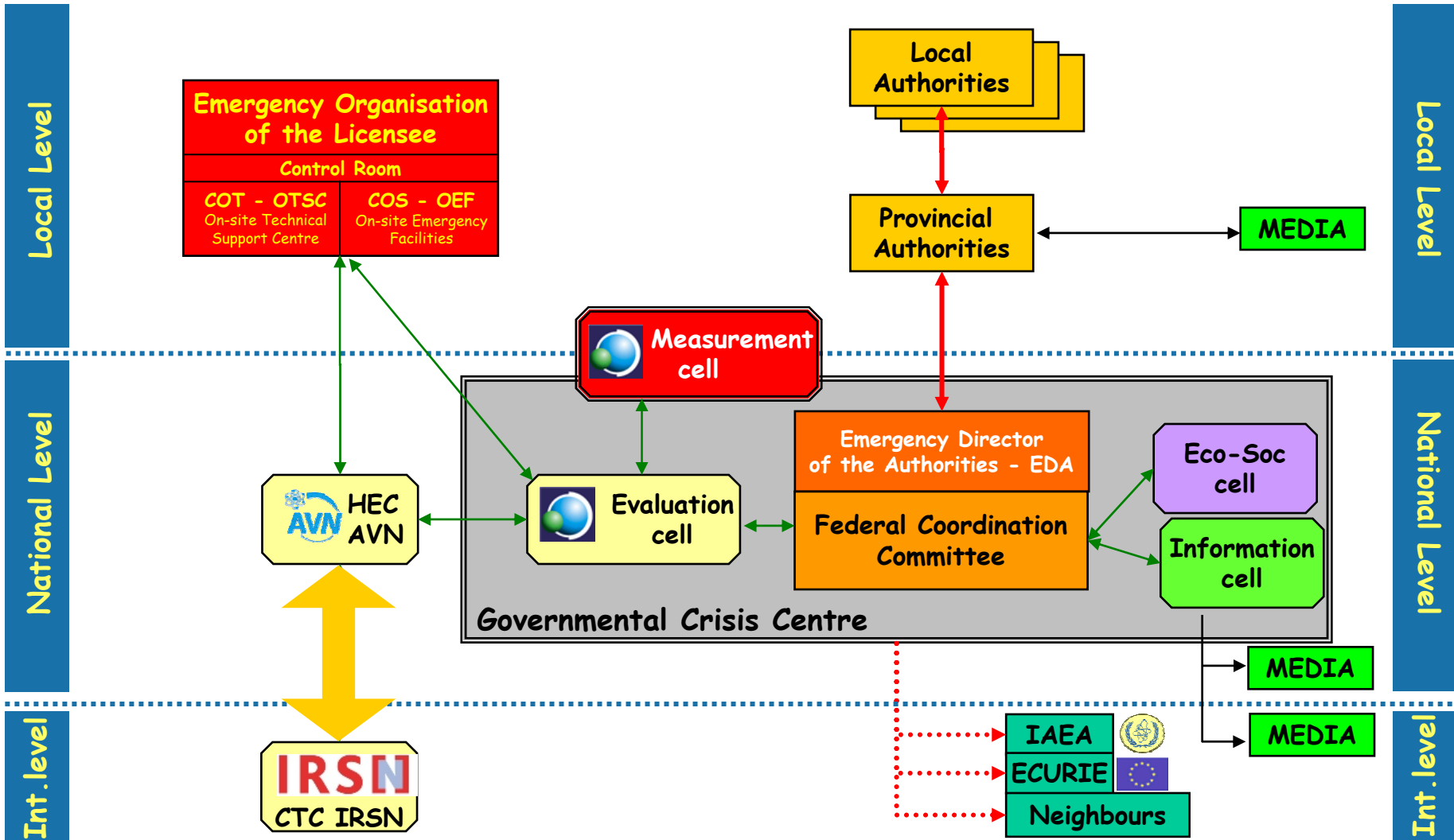
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Nuclear & Radiological Emergency Plan in France General organisation - Technical Management

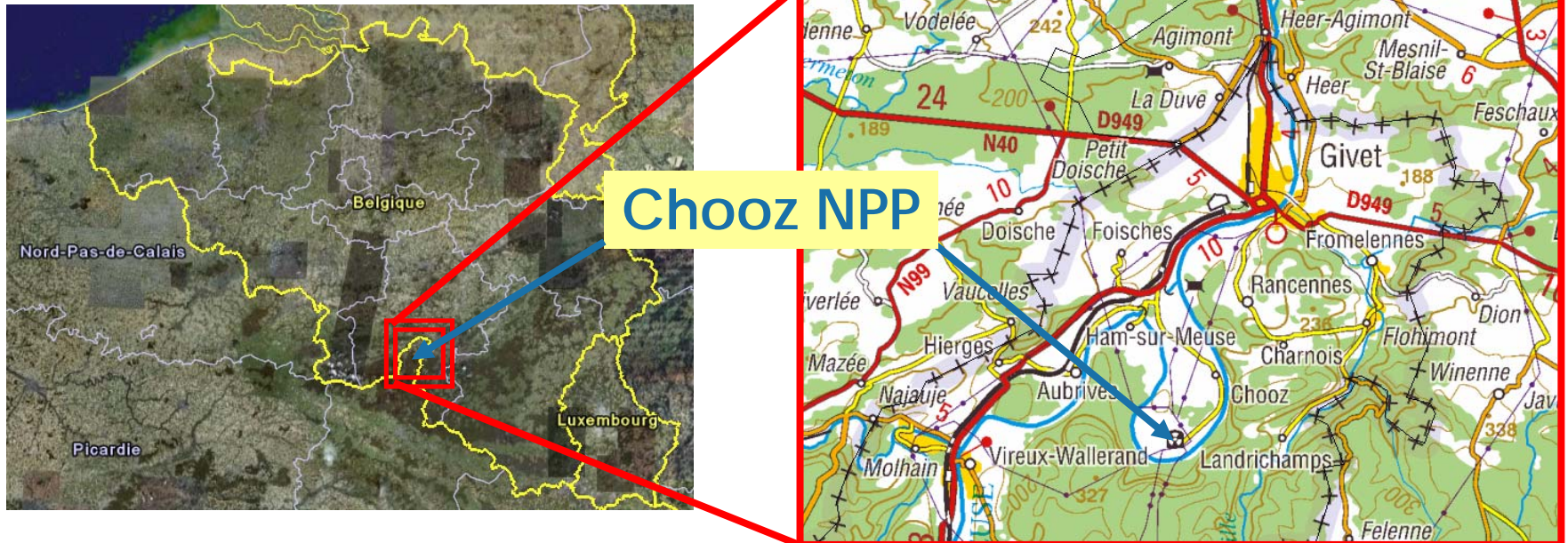


Belgian Nuclear & Radiological Emergency Plan General organisation



Some historical steps ...

- ✓ 90's: first informal contacts (dispersion models comparison), initiated through the french-belgian WG on nuclear safety
- ✓ Exercises observation
- ✓ 2000-Chooz exercise : starting point of a more structured bilateral co-operation between IRSN and AVN aiming to reach a common understanding in the event of a transboundary nuclear or radiological emergency



- After lot of contacts during 2001 & 2002...
 - ✓ General "Co-operation Agreement in Nuclear Safety and Radiation Protection" was signed in February 2003
 - ✓ This agreement gives a general framework for the co-operation between our two institutes
 - ✓ This agreement is completed by specific collaboration themes (SCT), such as
 - Technical Management & Response to radiological emergency situations (crisis management)
 - Clogging issue of containment recirculation sump filters
 - Computer codes protability
 - Validation of a model to assess risk associated to nuclear waste repository in deep geological structures

■ SCT on Crisis management

✓ Objectives

- Improve the management of an emergency affecting a nuclear installation close to the border
- Mutual information on methods, tools and working processes used at both sides

✓ Topics

- Technical information and data exchanges on French & Belgian NPPs
- Evaluation methods of the installation status
- Evaluation tools
- Exercises, training and experience feedback: at least 1 exercise/year
- Mutual information about the international activities (projects...)
- Formal information exchange protocol to be used during (real) emergency situation

✓ At least once a year, coordination meeting including follow-up of actions

■ SCT on Crisis management (cont.)

✓ Overview of activities

- Coordination meetings (6 since 2003)
- Training sessions (2)
- Exercises
 - Observation only (2)
 - With participation (B: 4, F: 2)
- Issue of the formal protocol on information exchanges during emergency situation (Sept-2004)
- Issue of a common document on ERLs comparison (Sept-2004)
- ...

IRSN-AVN co-operation agreement in the field of emergency preparedness & response
Emergency Reference Levels (ERL) Comparison for the Short-term countermeasures
in case of a nuclear or radiological emergency

Status : Revision 01 - September 2004

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▪ SCT on Crisis management (cont.)

- ✓ Formal protocol on information exchange during emergency
 - Aim of this protocol is to define
 - The needed information and data in order to be able to fulfil the technical assessments
 - The consultation arrangements between the crisis teams in order to reach (as much as possible) consistent assessments/advice
 - Contains the different formats of standard messages to be issued by both emergency centres
 - Basic principle : the organisation of the not-directly affected country has to take the initiative of the contacts or consultation (*back position*)
 - Main types of exchanged information
 - Technical status of the affected installation
 - Assessment of the situation (including prognosis and source term estimation)
 - Regular consultation on technical & radiological assessments made or in progress

CONCLUSIONS

- Weaving of **close relationships** between IRSN and AVN outside of any emergency situation
- Main goal : reaching a **common understanding**
- "Collateral" positive effects: **openness, respect, trust, improvement of methods/tools** by cross motivation and/or joined efforts, ...

The long and strong relationships between IRSN and AVN since many years now allow to strengthen the mutual response capabilities of both organisations (win-win process!)...

... and beyond that the ability of both countries to manage as good as possible a nuclear or radiological emergency affecting our people

Thank you for your attention!



Any questions ?

