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## Decision making processes and decision makers in different phases of a nuclear emergency situation

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## Objectives

- To indicate a broadly applicable method of representing emergency management processes
- To use this to indicate the differences and similarities between processes in four European countries (UK, Slovakia, Germany, Belgium)
- To draw some general conclusions about the form or emergency management processes
- To draw some general conclusions about information provision and decision support

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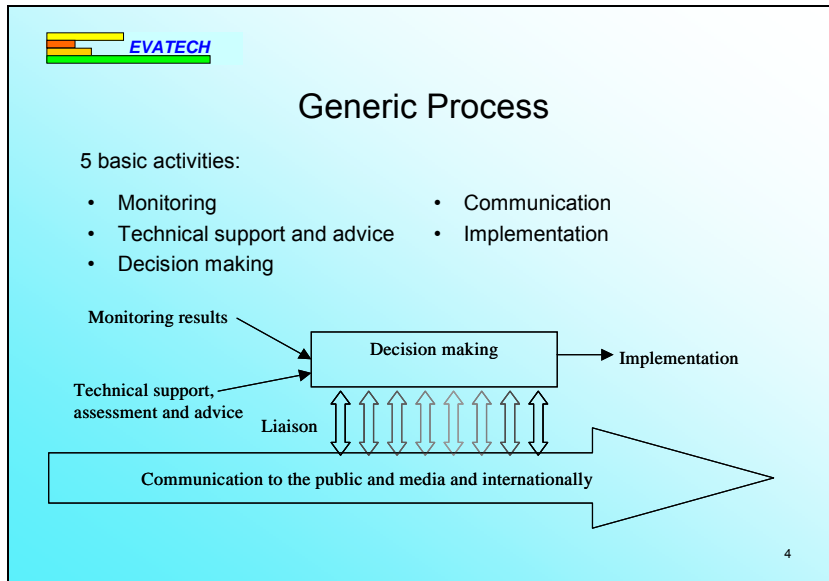


## Process modelling

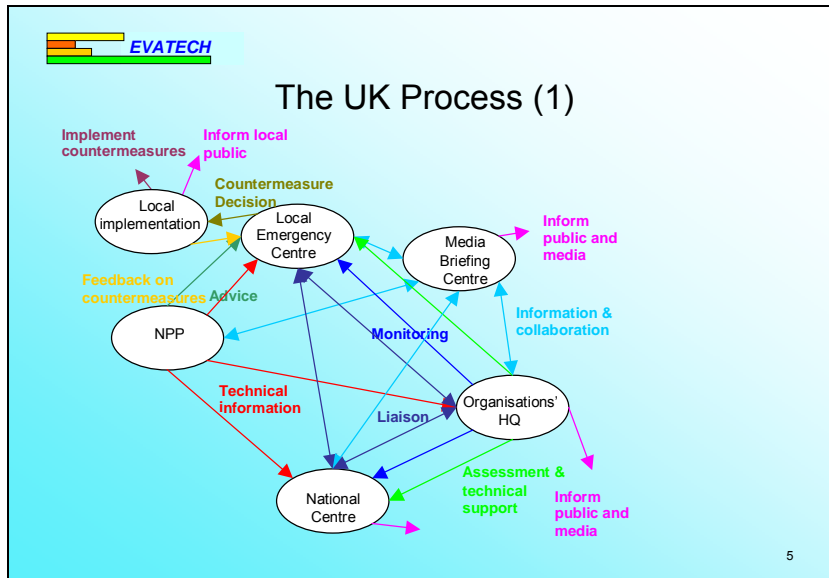
- The UK Model
- The German Model
- The Slovakian Model
- The Belgian Model

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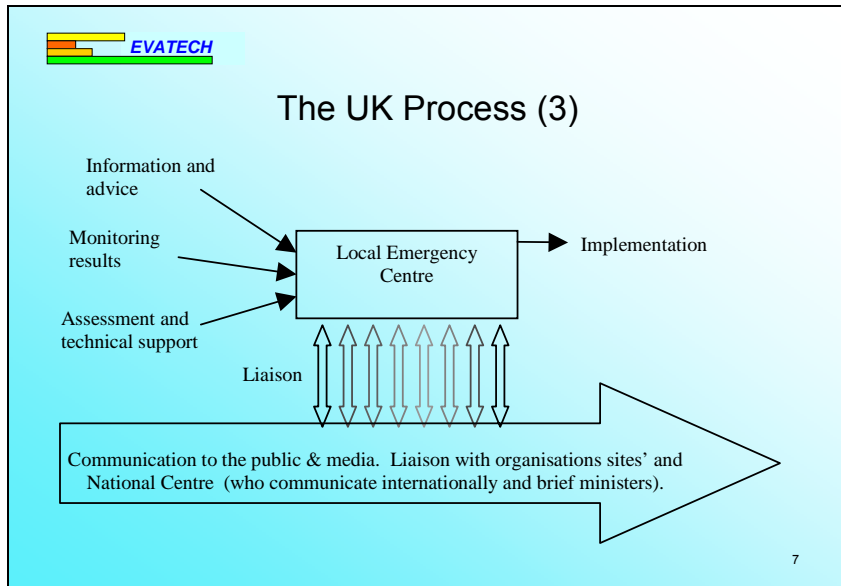


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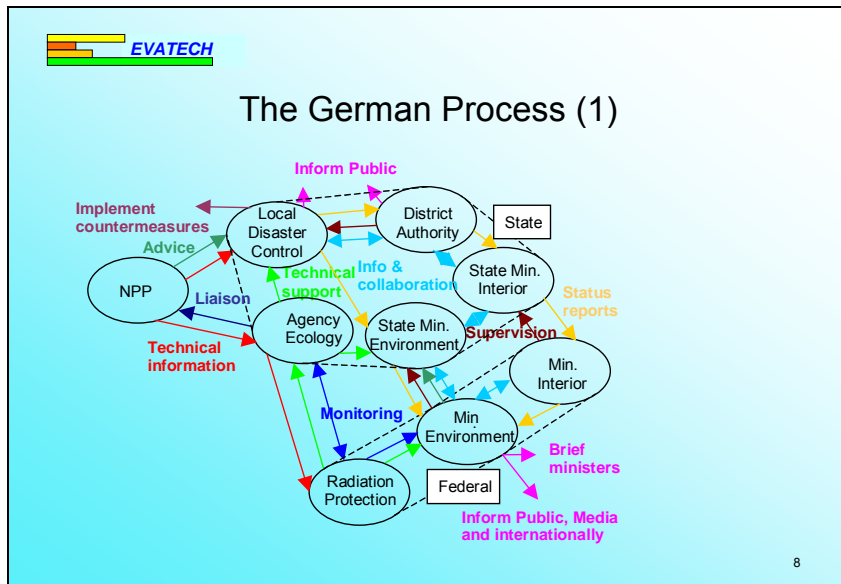
**The UK Process (2)**

Generic activity	Activity in UK model
<b>Monitoring</b>	<ul style="list-style-type: none"> <li>• Several organisations monitor;</li> <li>• HPA (NRPB) co-ordinate additional monitoring</li> </ul>
<b>Technical support and advice</b>	<ul style="list-style-type: none"> <li>• Joint Health Advisory Group</li> <li>• Recovery Working Group</li> <li>• Many other organisations</li> </ul>
<b>Decision Making</b>	<ul style="list-style-type: none"> <li>• Local Emergency Centre</li> </ul>
<b>Implementation</b>	<ul style="list-style-type: none"> <li>• Police, Food Standards Agency</li> </ul>
<b>Communication</b>	<ul style="list-style-type: none"> <li>• Media Briefing Centre co-ordinates</li> <li>• Individual organisations communicate with media</li> </ul>

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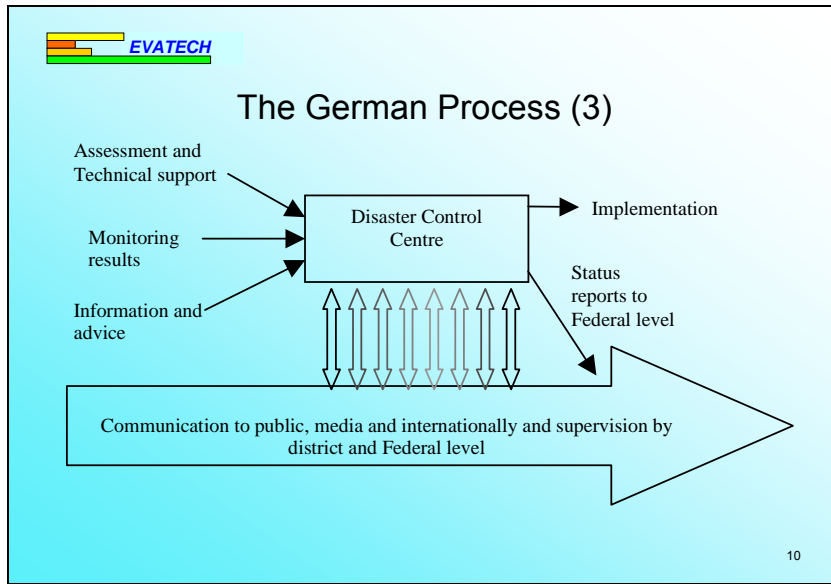
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**The German Process (2)**

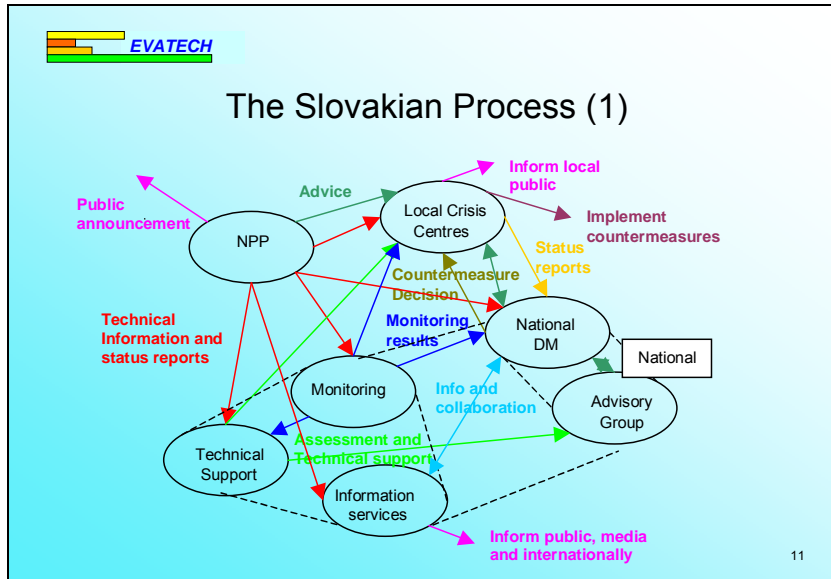
Generic activity	Activity in German model
Monitoring	• BfS (IMIS and NLOe KFUE)
Technical support and advice	• Radiation experts • BfS (IMIS, RODOS) • RSK, SSK advice to BMU • BMU provide recovery recommendations
Decision making	• KatSL (based on disaster control plan approved by district, state & federal authorities)
Implementation	• Emergency phase – Area Authority • Recovery phase – State Authority
Communication	• BMU

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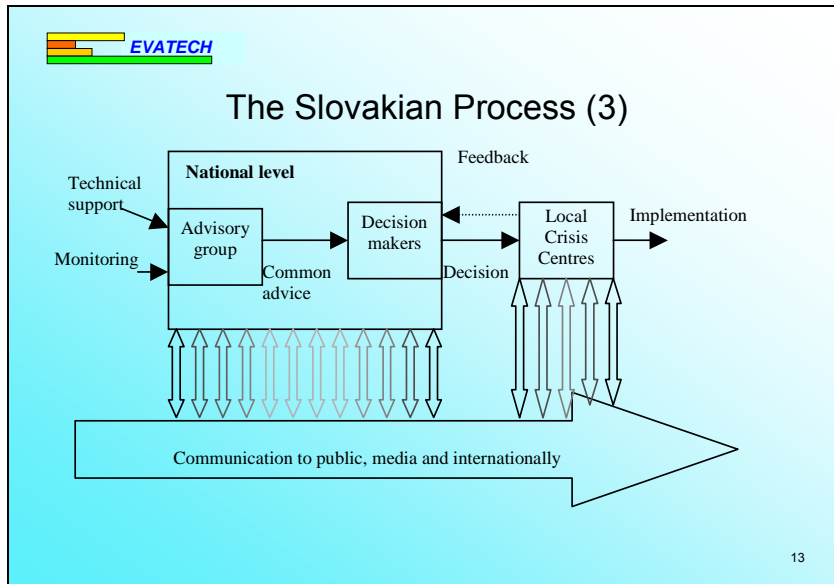


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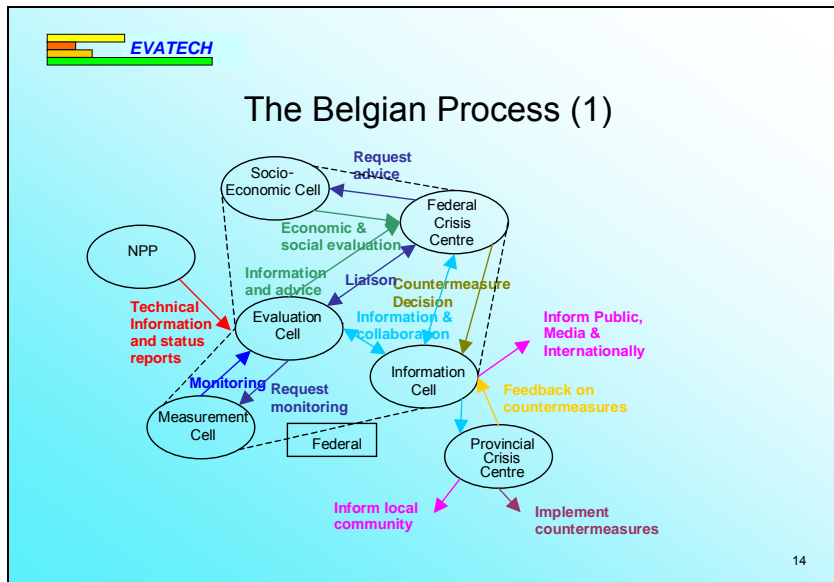
The Slovakian Process (2) table maps generic activities to specific activities in the Slovak model.

Generic activity	Activity in Slovak model
Monitoring	• Monitoring by SORAMON.
Technical support and advice	• ERC of UJD SR provide technical support. • ORS provide evaluation and common advice.
Decision making	• Decision making by CCS and NECRA – nationally. • Local decision making by CSC, CSD and CSM
Implementation	• Implementation of countermeasures
Communication	• Communication from Information services

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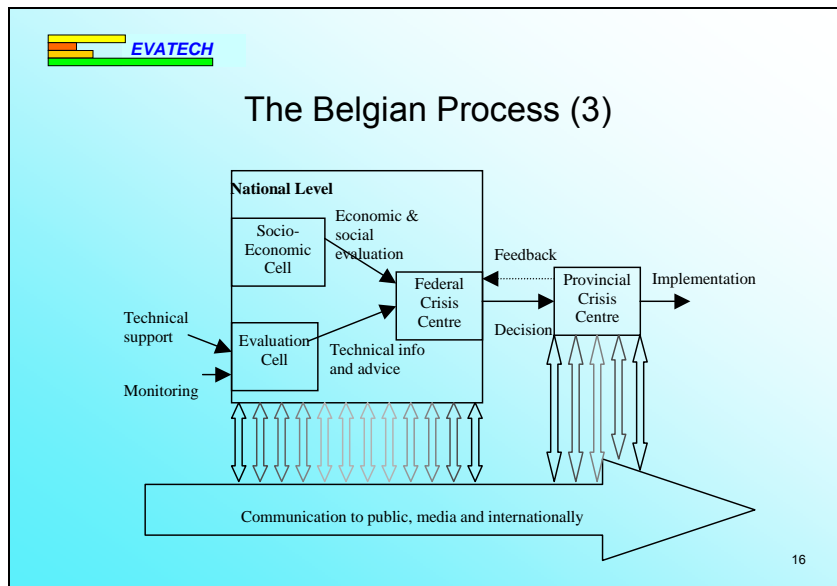
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**The Belgian Process (2)**

Generic activity	Activity in Belgian model
Monitoring	• Measurement cell
Technical support and advice	• Technical and Radiological Evaluation Cell • Socio Economic Evaluation Cell
Decision making	• Federal Co-ordination Committee
Implementation	• Provincial Co-ordination Committee
Communication	• Information Cell

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**EVATECH**

### Decision-making: discussion

A. Decisions made and coordinated by one centre (local centre).  
There is a local decision making centre where the representatives get technical evaluation and information from their organisations.  
**Germany** and **UK** models

B. Decision made by one centre (national centre) and coordinated by another centre (local centre).  
There is a national decision making centre that provide advice to a group of decision makers.  
**Belgium** and **Slovak** models

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**EVATECH**

### Management of advice


**Slovakia** and **UK**:  
both have group(s), who together provide common advice on the situation. In both this countries these groups are members of the decision-making centre.

**Germany** and **Belgium**:  
both have a group or organisation who provide assessment and evaluation, neither are part of the decision making centre, they are an integral part of the crisis management control centre providing advice through a representative.

**Leads to differences in number of models used**

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### Similarities in the process models

	UK	German	Slovak	Belgian
Communication	Centralised DM	2-Level Interaction	2-Level Interaction	Centralised DM
Decision-making	Local	Local	National	National
Management of advice	Favour multiple model approach	Favour limited model approach	Favour multiple model approach	Favour limited model approach

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### Emergency management process – conclusions

- Variety of approaches — differences in:
  - organisational structures,
  - communication style
  - where decisions are made
  - management of advice
- Sharing good practice not straightforward
- Countries with different approaches need to
  - respect each other's approach
  - focus on methods for working together that embrace, rather than deny, these differences

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