



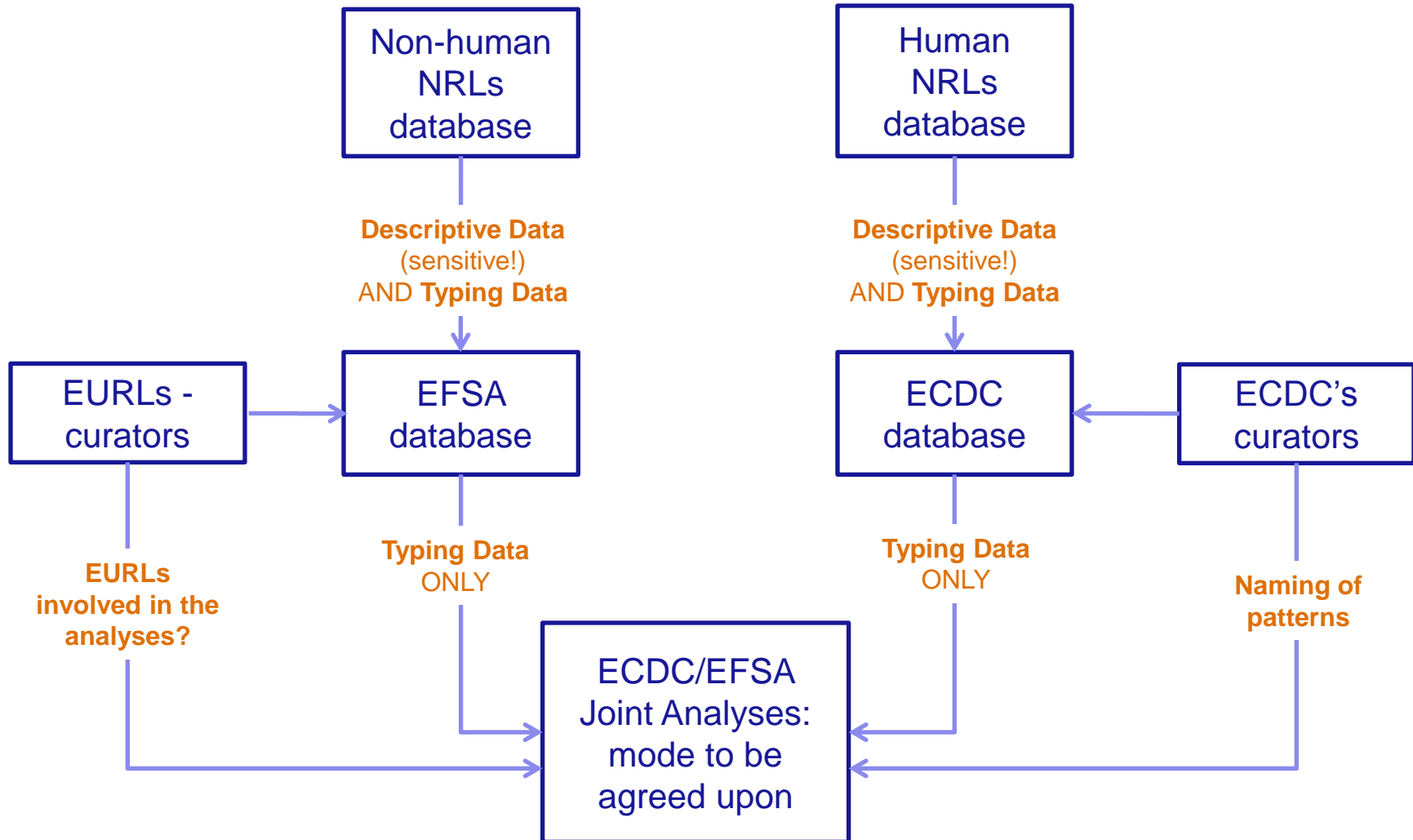
Planned Molecular Typing Data Collection at EU level for food and animal isolates



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- To enable the comparison of the isolates from human cases, food and animals at high discriminatory power level
- To contribute to epidemiological investigations of (multi-country) food-borne outbreaks at EU/national level
 - Identify outbreaks in humans
 - Identify or give background information on possible food and animal sources of the outbreaks
- To provide data for source attribution analyses at the EU level, e.g. to those carried out by EFSA's BIOHAZ panel
 - Identify the most important food and animal sources of human infections in the EU
- To detect and perform epidemiological analyses of clonal diffusion between MSs

- ECDC to collect molecular typing data from human cases
- EFSA, in collaboration with EURLs, to collect data from food, feed and animal isolates
- Joint analyses of the data by ECDC and EFSA, when needed:
 - The mode of the analyses still to be defined...
- MSs' competent authorities (for 'Zoonoses' Directive 2003/99/EC), NRLs and possibly other laboratories to submit the data:
 - Who to authorise the data submission still to be defined...
- To cover *Salmonella*, VTEC and *Listeria* with PFGE and MLVA (*S. Typhimurium*) methods initially

EFSA's and ECDC's proposal on a general scheme



ID ¹	Descriptive Data (sensitive!)				Typing Data (not sensitive by itself)		
	Country	Animal/Food Type	Area	Date of Sample	Serotype	PFGE_Xbal	AST_NAL
EFSA-001	BE	Smoked salmon	X	2012-06-01	STANLEY		S
EFSA-002	HU	Turkey	Y	2012-07-01	STANLEY		R

Descriptive Data

- Data about an isolate in terms of time, place (country of origin), origin (human, food), etc.
- This data can normally be captured in simple text fields of a single record

Typing Data

- The results of typing experiments performed on an isolate.
- e.g. serotype, PFGE gel restriction pattern, antimicrobial susceptibility results, MLVA results.

- Commission's vision paper to be agreed upon at SCoFCAH meeting
- EFSA to set up an expert Working Group to plan the molecular typing data collection system for the animal/food/feed isolates:
 - EC, ECDC, EURLs, EFSA Zoonoses TF and NRLs to be represented in the WG
- EFSA, ECDC, EURLs and NRLs to establish close collaboration in the field
 - Memorandum of understanding
 - Collaboration and working agreements

Thank you for your
attention !

