



Summary of WP3 Sessions

WP3 – Coordination and Consolidation of Joint Technical Developments

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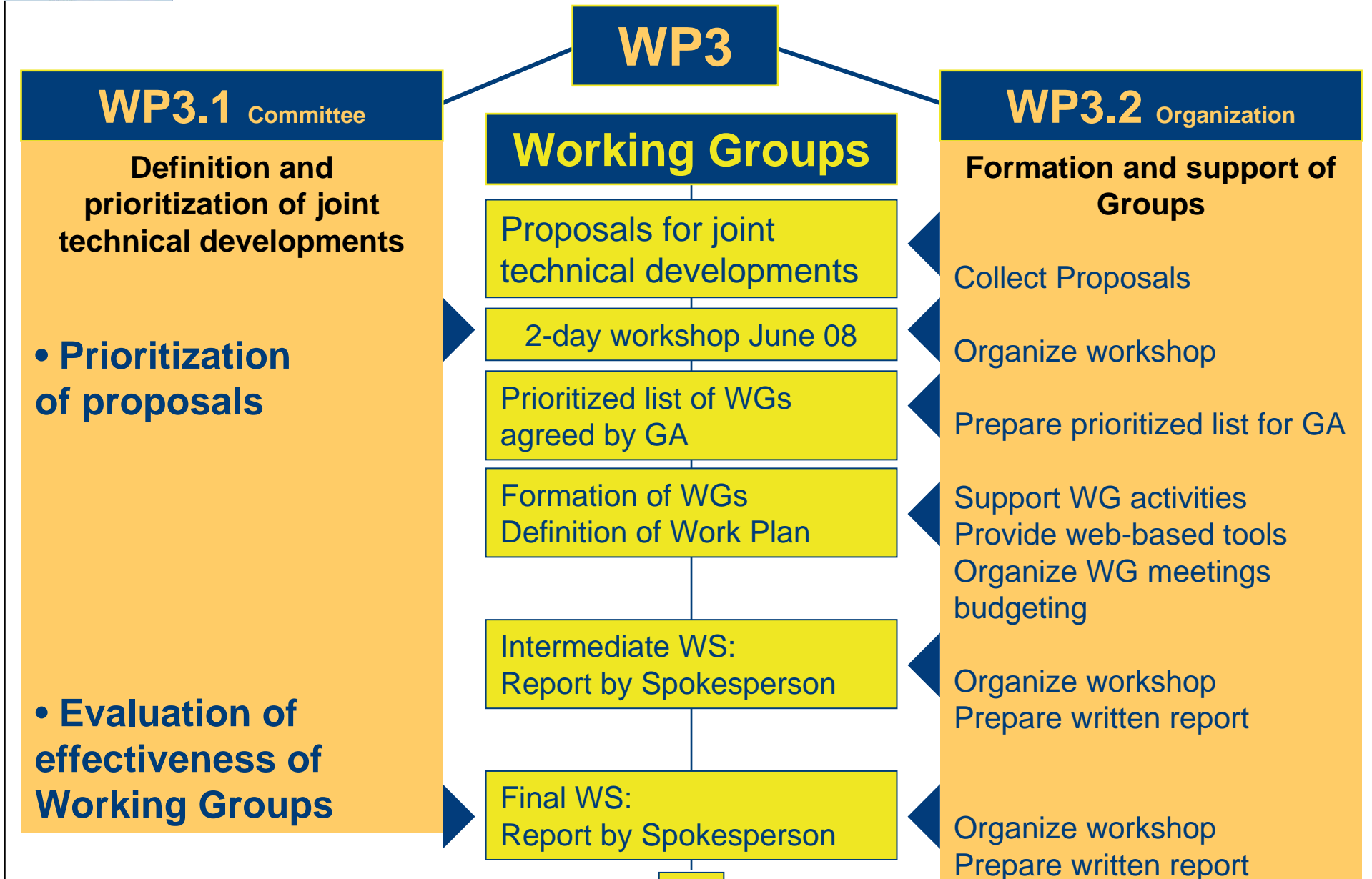
WP3 Objectives

- *‘Identify critical technical issues that are of importance for the IRUVX-FEL Consortium.’*
- *‘Provide a platform for the **transfer of knowledge** and organise **long-term collaborations** between the facilities.’*
- *‘For many technical issues there exists significant overlap in the requirements and designs so that **coordination of activities** will lead to savings in resources and production times.’*

Tools:

- *Formation of **expert Working Groups***
- *Exchange of personnel*
- *Organisation of Workshops/Meetings*
- *Preparation of usage rights, MoUs, contracts, etc.*
- *Assistance in legal questions through WP1*
- *Assistance concerning commercialization through WP6*

WP3 Structure



Presentation of some Initial Proposals

<i>Title of proposed key technical issue</i>	<i>Type</i>	<i>Possible Spokesperson</i>
Metrology for FEL optics	A	Frank Siewert (BESSY)
Slice diagnostics for FEL injector commissioning using a streak camera	B	Thorsten Kamps (BESSY)
The emittance-meter for FEL injector commissioning	A,C	Massimo Ferrario (INFN)
Gas-Monitor Detector for on-line FEL intensity measurements	C	Kai Tiedtke (DESY)
Common User Interface and DAQ system	B	Kai Rehlich (DESY)
Longitudinal electron beam diagnostic using a RF transverse deflector	B	P. Craievich (ELETTRA)
High energy spatio-temporal UV laser pulse shaping for high quality customised electron bunches		David Garzella (CEA/SPAM)
...		

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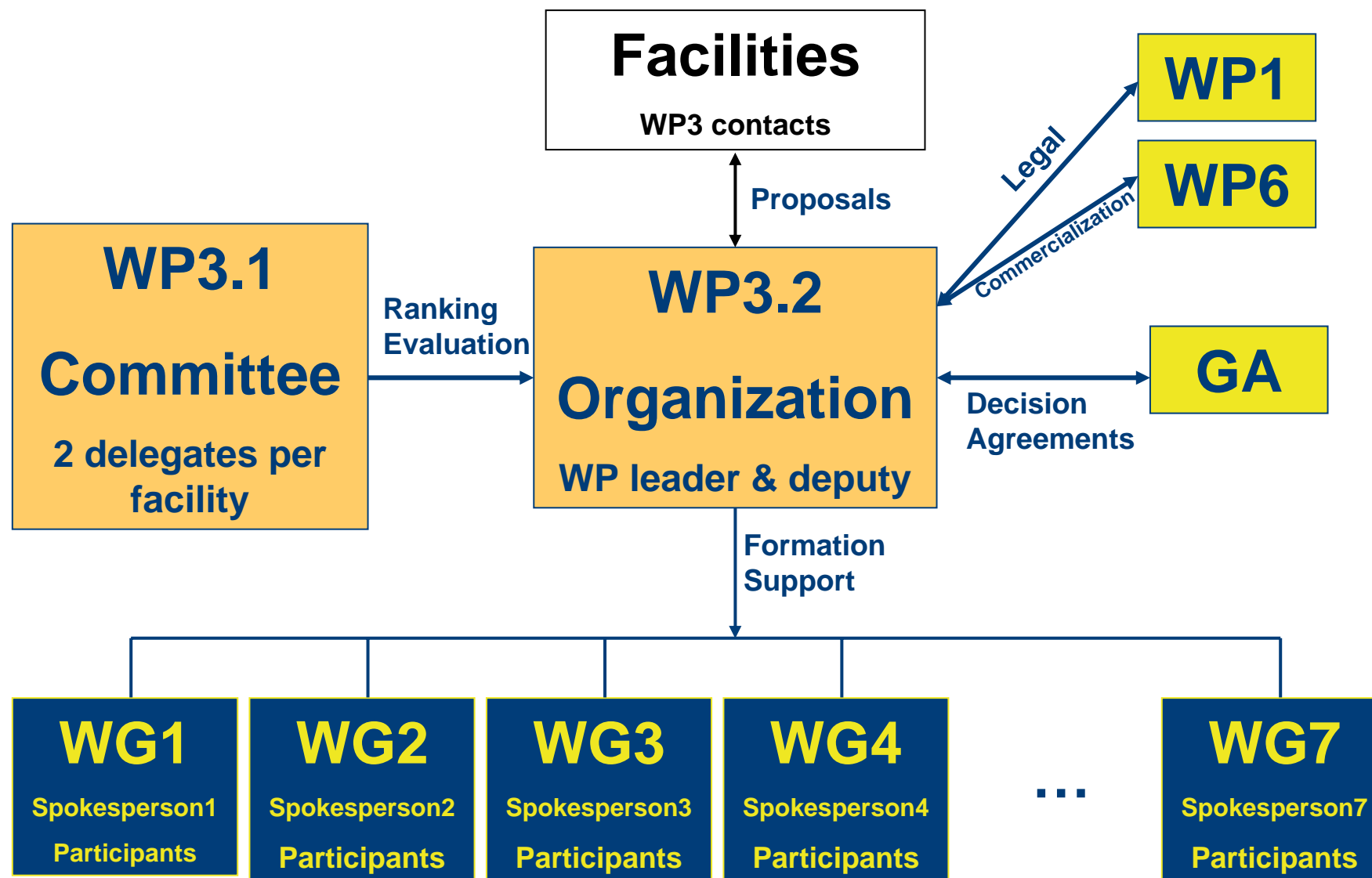
Discussion after initial presentations

- **Need to ensure each expert group has a remit covering an specific area important to all the facilities**

e.g.

- **Injector commissioning and beam diagnostics**
- **Optical metrology**
- **Photon diagnostics**
- **etc, etc**

WP3 Summary



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Next steps

- Invite more input on joint technical developments from current and potential beneficiaries
- Draft criteria for prioritization of joint technical developments and evaluation of expert working groups

Criteria

Main Project Objectives:

- *‘Maximise benefits for facilities and users’*
- *‘Efficient construction & operation of facilities’*
- *‘Reduce commissioning times’*
- *‘Enhance complementary features’*

*Meaning of benefit - cost/quality/time,
Others?
Relative weightings?*

Summary of WP3 Sessions

Circulate for criteria for comments/
improvements

Establish a clear well understood process

Preference for fewer groups with more funding
per group

2 day meeting planned for June 2008 at
Daresbury