

European Study Towards a Global TeV Linear Collider

Disclaimer:
not yet
approved!



1st ELAN Workshop, Frascati



EU Framework Programme 6

The EU's Framework Programme for Research and Technological Development is a major tool to support the creation of the European Research Area - ERA.



Opportunity for Coordinated Accelerator research
3 calls with a total of 200 Mio. €

- CARE ⇒ JRAs and network ELAN
- EUROTeV ⇒ Design Study (≈30 Mio. €)
- ...

Where do we stand?

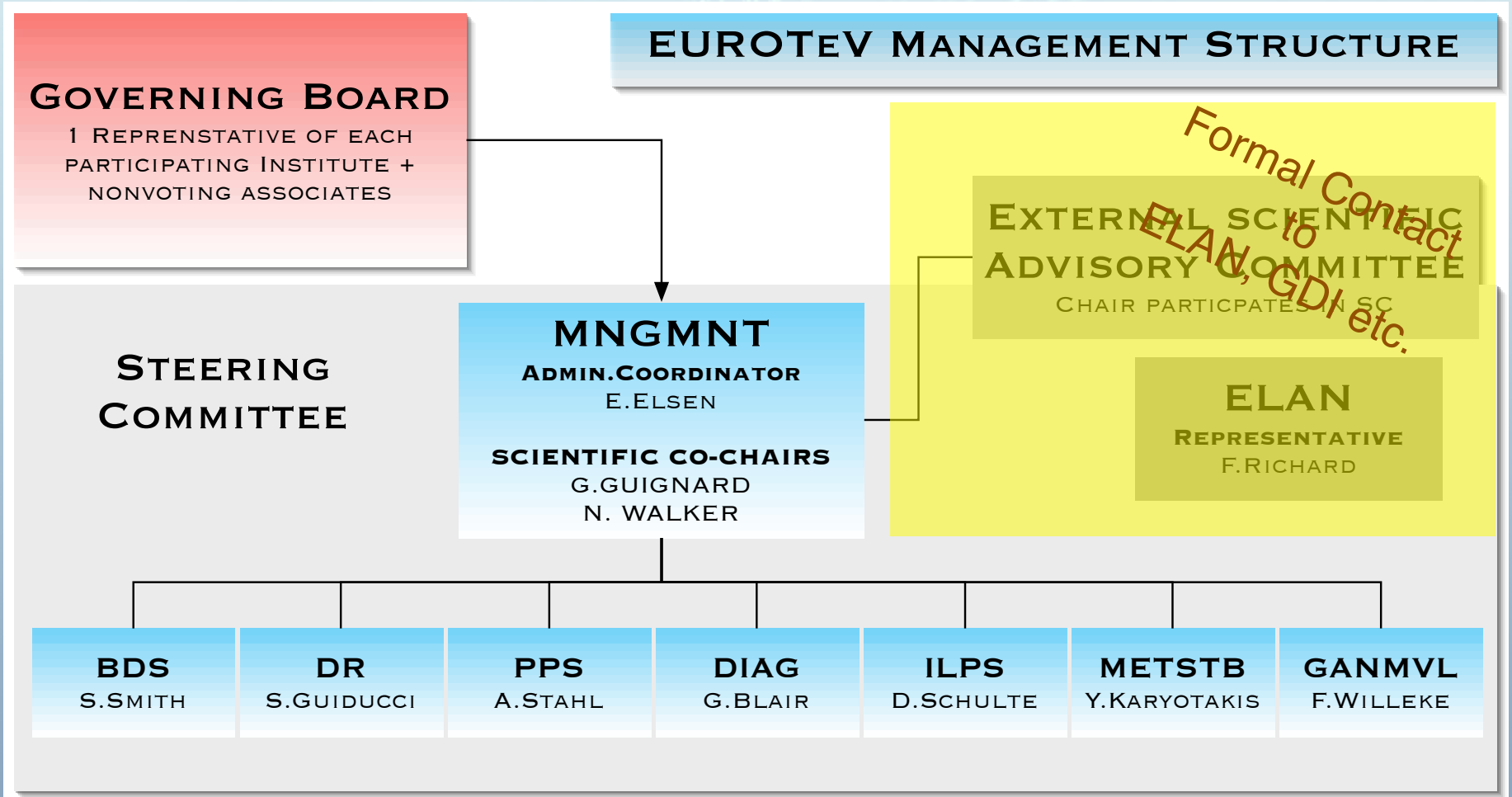
- EUROTeV Proposal
 - Proposal has been submitted in time
 - Reviewers are currently active
 - Synchronization with national interests and goals imminent
 - Support from national agencies and international bodies (CERN) important
 - Expect decision by July 4th, 2004
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- ...the result could be positive
 - Prepare the ground for a consolidation of program
 - Maintain the global perspective
 - Activities in CARE JRAs and ELAN relevant

Global Dimension

- ITRP Review proceeding swiftly
 - optimistically, a decision could be announced during the summer conferences
 - Global Design Initiative (GDI) starts discussion on the structure of global design approach
 - regional initiatives continue to play an important role
 - optimization of worldwide research program appropriate
 - EUROTeV may assemble considerable resources initially
 - Consider fine-tuning the proposed EUROTeV program in accordance with global research program
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- Start of EUROTeV only in 2005 (if granted)
 - funds not before 2005
 - ELAN is the network to enable exchange of ideas on LC research in Europe
 - Kick-off meeting to be organised by ELAN end 2004?



EUROTeV Structure



ELAN vis a vis EUROTeV

- ELAN
 - Review exiting experience in the various accelerator research areas
 - Foster exchange of ideas
 - Maintain contacts to various JRA's
 - Deliverables: **Summary Reports**
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- EUROTeV
 - Research towards design of LC components
 - Deliverables: **Research Reports**

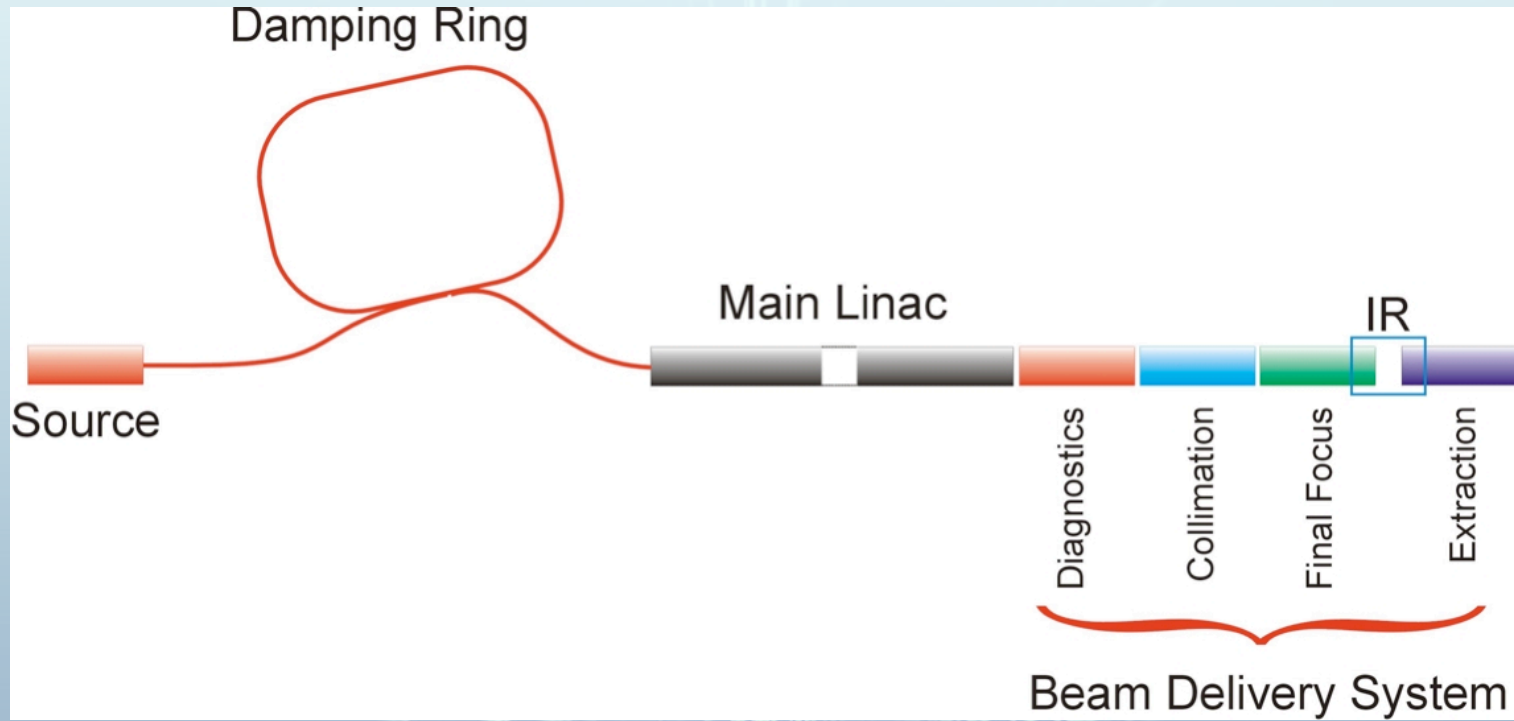
ELAN could draw from the results in EUROTeV and put them into larger context.

ELAN & EUROTeV

practical aspects

- Meeting & Reports
 - May be wise to have the annual EUROTeV meeting adjacent to the ELAN meeting for ease of communication (and to reduce travel)
 - EUROTeV Research Reports may form a considerable part of the factual basis of the ELAN reviews and should be referred to
 - At all times have to make clear where the results originated and how they have been funded
 - Distinct ELAN Summary Report (with CARE emphasis)
 - Annual EUROTeV summary
 - Results of detailed studies
 - Geared towards Design of LC

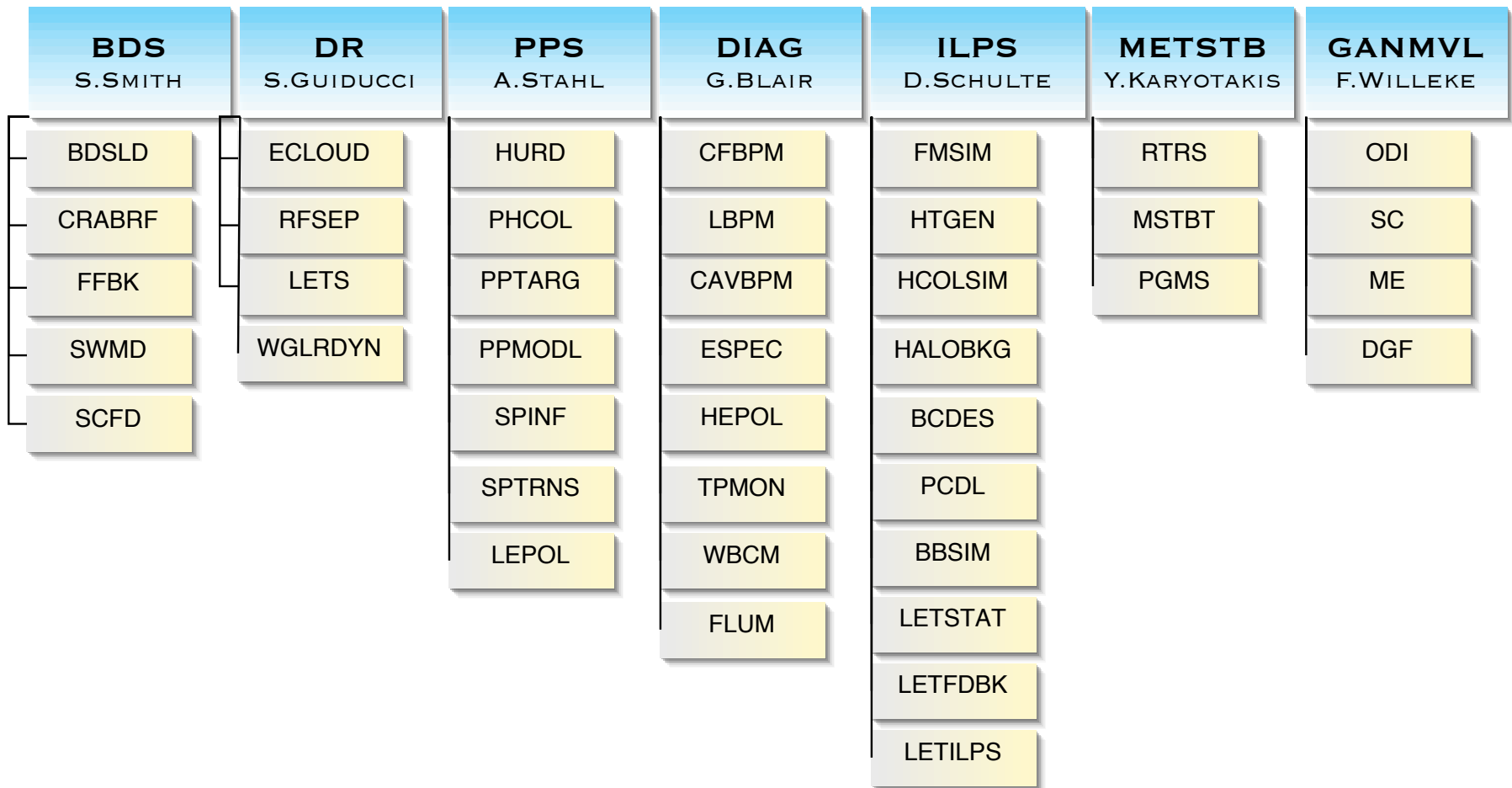
EUROTeV Topics



- concentrate on topics that are (largely) independent of technology choice
- match the topics to the expertise available in the participating laboratories

EUROTEV WORK PACKAGES & TASKS

(EXCEPT MNGMNT)



Overlap in Research?

- Overlap in People!
 - Many people participate in ELAN and in EUROTeV
 - Ease the formal work
 - Some overlap in topics
 - Sources
 - Luminosity
 - ...
- ELAN is the only existing backbone for Accelerator Research in Europe
 - Important role before and while GDI is being established



Participating Institutes

- 7+1 work packages
- 27 institutes

Institute	WP1: MNGMNT	WP2: BDS	WP3: DR	WP4: PPS	WP5: DIAG	WP6: ILPS	WP7: METSTB	WP8: GANMVL
CCLRC	X	C	X	X			X	
CEA		X						
CERN	C	X	X		X	C		
DESY	C		X	C	X	X	X	C
ELETTRA								X
FHG								X
GSI								X
INFN-LNF	X		C					X
INFN-Mi								X
INFN-Ro2								X
IPPP				X				
LAL					X	X		
LAPP	X						C	
PSI						X		
QMUL		X				X		
RHUL	X				C	X		
TEMF,TUD		X						
UBER				X				
UCAM					X			
UCL					X			
ULANC		X						
ULIV				X				
UMA		X				X		
UMH								X
UNIUD								X
UOXF.DL					X		X	
UU					X	X		



Conclusion

- European laboratories...
 - have demonstrated considerable interest in swiftly completing the remaining research towards a worldwide LC
 - have established a network for communication on LC issues
 - have been able to allocate considerable resources around a Design Study that will help to advance the required research
 - have exposed the LC to the highest European political levels
 - are requesting considerable funds from the European Union
- while waiting for the outcome of the bid
 - watch the worldwide developments on LC research
 - start to sharpen the ideas on the required research