

Summary of EUROTeV Kick-off Meeting



E Elsen
DESY, 5 November 2004



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.



CARE sets out to improve the accelerator research infrastructure in Europe:

- Joint Research Activities (e.g. JRA-SRF)
- Networks (e.g. ELAN)



2004: FP6 supports Design Studies

Support of Design Studies

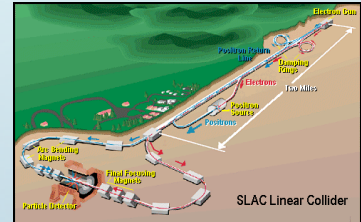
- enables a **long term development** of new large scale research infrastructure in Europe
- furthers the design of **advanced technologies** to a level of maturity suitable for implementation
- provides the information required for **assessment and selection**
- ...
- eventually leads to **implementation in follow-up programmes**

Deadline for submission was 4.3.2004

Convergence Process towards International Linear Collider Design...

Late 80ies

SLC as proof of principle
of a linear collider



...

March 2001

TESLA TDR

...

Tremendous research and new initiatives: UK
LC-ABD, CARE with JRAs and ELAN

January 2003

ILC-TRC ranks aspects of LC designs

February 2003

Conditional approval for XFEL

January 2004

European Institutions join for **EUROTeV**

August 2004

World agrees on one technology for the ILC

November 2004

1st ILC Workshop @ KEK

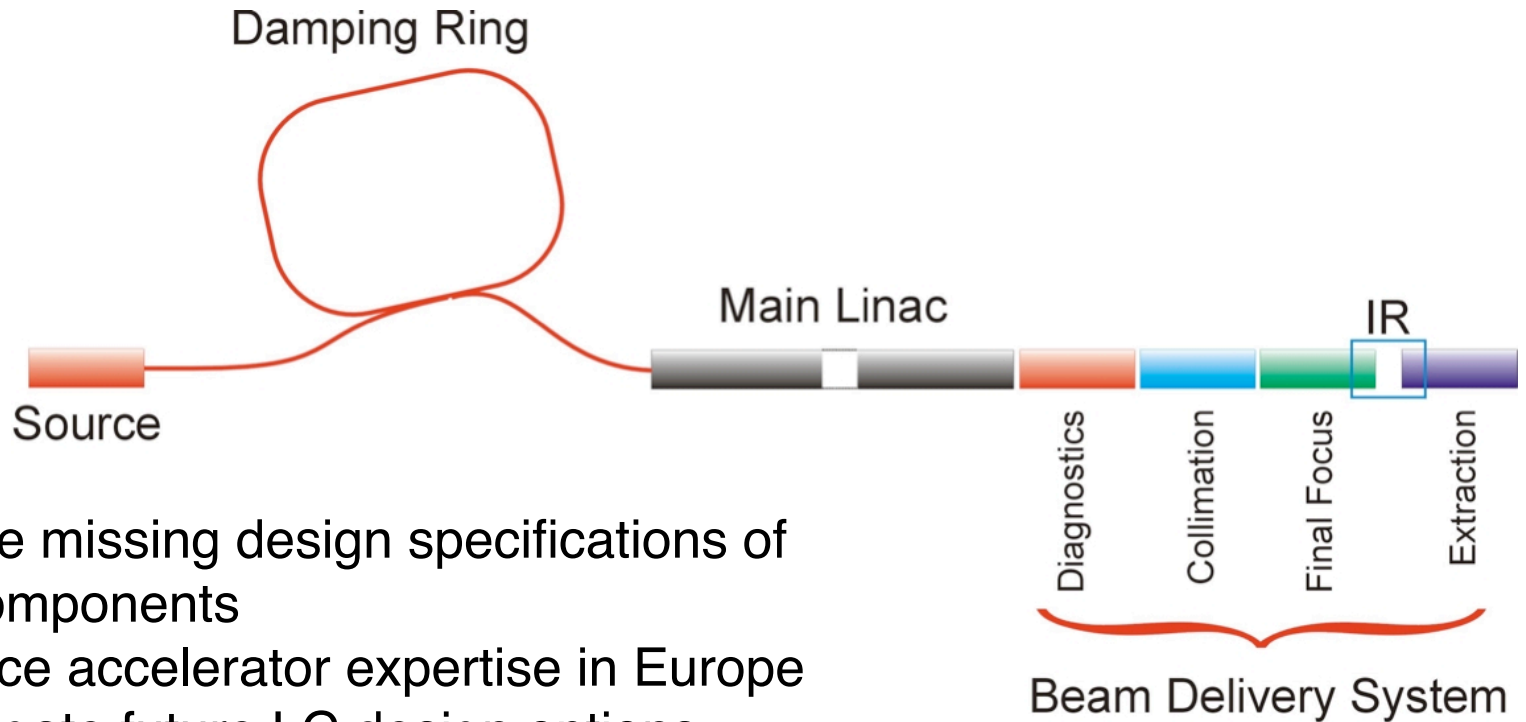


Worldwide commitment to the LC - EUROTeV in 2004 as an example

- Jan 04 Several European labs **decide to submit proposal** for Linear Collider Research
- 2.2.04 ESGARD encourages submission
- 5.2.04 First meeting with EU officials in Brussels
- 20.2.04 1st open meeting Daresbury Lab
- 4.3.04 Submission of EUROTeV proposal
- 28.5.04 Feedback from EU - Referees support proposal
- 28.7.04 EU ready for negotiations
- 13.9.04 2nd open meeting in Geneva
- 30.9.04 Submission of proposal for negotiation
- 14.10.04 Start of negotiations
- 1.11.04 **EUROTeV Kick-off meeting**



EUROTeV Design Study



Goal:

- provide missing design specifications of ILC components
- advance accelerator expertise in Europe
- investigate future LC design options

EUROTeV Work Packages & Institutes

Institute	WP1: MNGMNT	WP2: BDS	WP3: DR	WP4: PPS	WP5: DIAG	WP6: ILPS	WP7: METSTB	WP8: GANMVL
CCLRC	X	C	X	C			X	
CEA		X						
CERN	C	X	X		X	C		
DESY	C		X	X	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		

BDS:

Beam delivery

DR:

Damping rings

PPS:

Polarised positron source

DIAG:

Diagnostics

ILPS:

Luminosity Performance

METSTB:

Metrology & stabilisation

GANMVL:

Accelerator network



Kick-Off Meeting DESY, 1.11.04

Programme

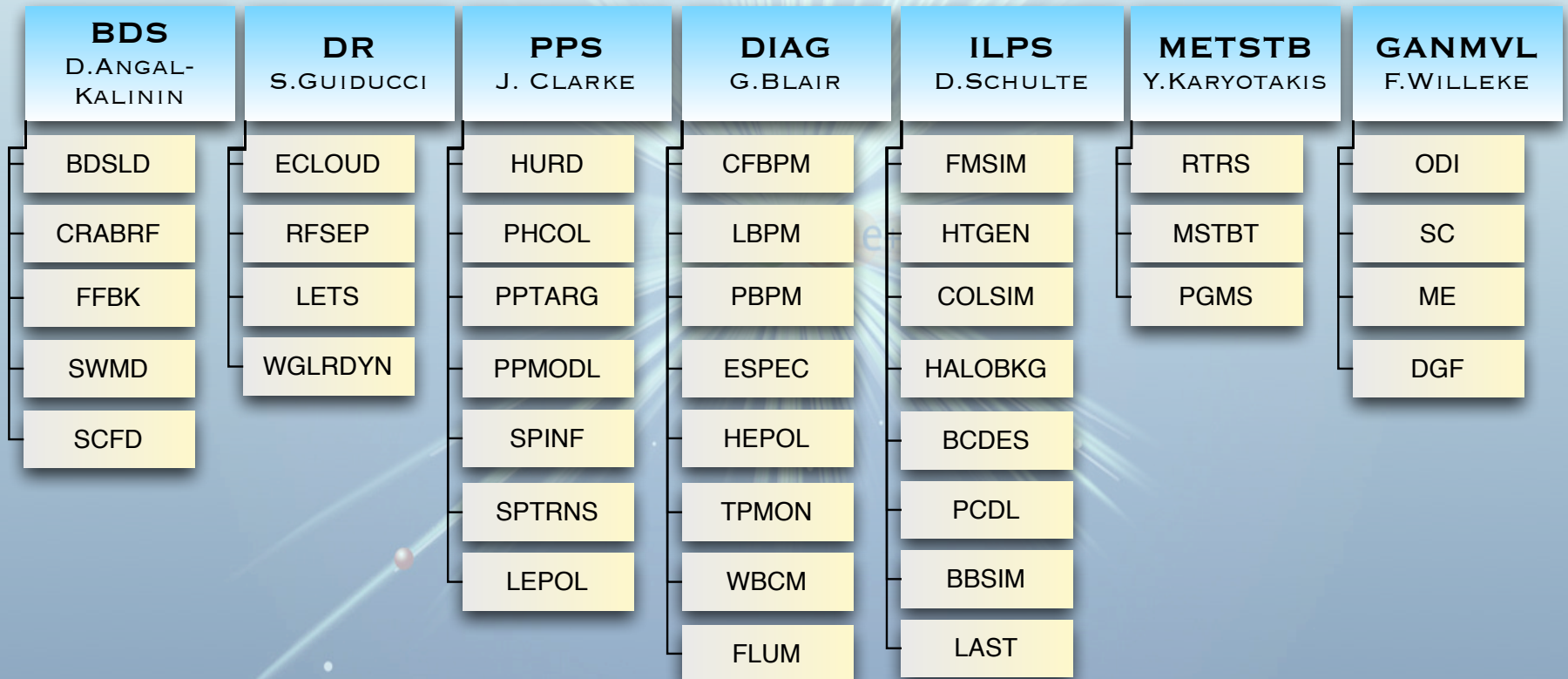
Start	Speaker	Topic		
08:30		Checkin and registration for dinner		
		Chair: P Burrows		
09:15	00:15 A Wagner	<i>Welcome</i>		
09:30	01:00 E Elsen	<i>Status of Project</i>		pdf
10:30	00:30	Coffee		
11:00	01:00 M Ross	<i>Worldwide preparation for the ILC</i>		pdf
12:00	01:00	Lunch		
		Chair: J B Dainton		
13:00	00:25 D Angal-Kalinin	<i>WP2: Beam Delivery System</i>	ppt	pdf
13:25	00:25 S Guiducci	<i>WP3: Damping Rings</i>	ppt	pdf
13:50	00:25 J Clarke	<i>WP4: Polarised Positron Source</i>	ppt	pdf
14:15	00:25 G Blair	<i>WP5: Diagnostics</i>	ppt	pdf
14:40	00:20	Coffee		
		Chair: J P Delahaye		
15:00	00:25 D Schulte	<i>WP6: Integrated Luminosity Performance Studies</i>		pdf
15:25	00:25 Y Karyotakis	<i>WP7: Metrology and Mechanical Stabilisation</i>	ppt	pdf
15:50	00:25 F Willeke	<i>WP8: Global Accelerator Network Multipurpose Virtual Laboratory</i>	ppt	pdf
16:15	00:25 E Elsen	<i>WP1: Management</i>		pdf
16:40	00:50 N Walker	<i>Discussion EUROTeV @ the 1st ILC Workshop (KEK)</i>	ppt	pdf
17:30		Closeout		
19:00		EUROTeV Dinner in the Bistro		



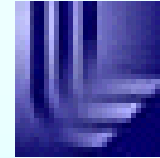
Subdivision of Work Packages

EUROTeV WORK PACKAGES & TASKS

(EXCEPT MNGMNT)



M Ross @ Kick-Off Mtg



Worldwide Preparations for the ILC

Marc Ross, SLAC

November 1, 2004

EuroTeV Kick-off Meeting



EUROTeV in numbers

Budget:

27.6 M€ total

9.0 M€ request

Person power:

328 person years total

100 person years request

Time:

1.1.2005 - 31.12.2007

- WP coordinators have worked hard to fulfil the EU request of adjusting budget without (too much) affecting scope
- External advisors have given valuable input

EUROTeV Research Programme

- Original proposal conceived to be largely independent of technology choice

Referees: ...this proposal should only be supported insofar as the EUROTeV collaboration is firmly committed to support and work within the framework of the international process for the selection of technology, leading to the construction of the ILC at the earliest possible time.

- Optimisation
 - Partial programme adjustment during consolidation phase
 - Some programmes (tasks) foresee an initial period for detailed scope definition (in conjunction with ILC developments)
 - Amendment of contract with the EU possible
- Goal is to contribute
 - significantly
 - decisivelytowards the design of the ILC

Recent Feedback from Brussels - EU

European Community is

- very supportive of EUROTeV
 - acknowledges the research goals
- supporting use of SCRF technology elsewhere
 - EUROFEL - for the XFEL
 - CARE JRA-SRF
- interested in the world developments towards ILC
 - and sees a unique chance for Europe to contribute at the forefront of science
- aware of the required international political process
 - curious to see ILC management structures take shape
 - site selection for ILC...

www.eurotev.org is online



EUROTeV: European Design Study Towards a Global TeV Linear Collider

EUROTeV Homepage	General Information	Work Packages	Participating Institutions	Calendar	Links	Reports & Presentations
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EUROTeV > EUROTeV Homepage

[EUROTeV Homepage](#)
Website Hosted by DESY

EUROTeV



Mission

27 European institutes join forces on a Design Study for a Linear Collider in the TeV energy range. After the recommendation of the ITRP for the superconducting technology a worldwide effort has been started to realise the **International Linear Collider (ILC)** as a truly worldwide project under the guidance of the Global Design Initiative (GDI).

EUROTeV addresses some of the high ranking issues identified by the Technical Review Committee with the aim to deliver significant input to the Conceptual Design Report (CDR) and the Technical Design Report (TDR) of the ILC due to publication by the GDI in 2005 and 2007 respectively. EUROTeV will serve in this respect as a major branch of the European

External Links

- [1st ILC Workshop](#)
- [ILC-Asia](#)
- [ILC@DESY](#)
Coming Soon!
- [ILC@FNAL](#)
- [ILC@SLAC](#)
- [ILC Communication](#)

Conclusion

Several fortunate developments came together

- EUROTeV
 - Design Study calls of the EU
 - Many institutes had ongoing LC research programmes and were eager to put it on a larger scale
 - The world united behind a technology choice

EUROTeV institutes are keen to get started with the real work and hopefully deliver.