

Ernst Kristiansen

Konserndirektør
SINTEF

Photonics sett fra Europa

- Noen slides fra foredrag på
- [IST Event 2006](#) Helsinki
 - Photonic components and subsystems
 - http://ec.europa.eu/information_society/istevent/2006/cf/conference-detail.cfm?id=1051

○ There !

Where are € for Photonics ?

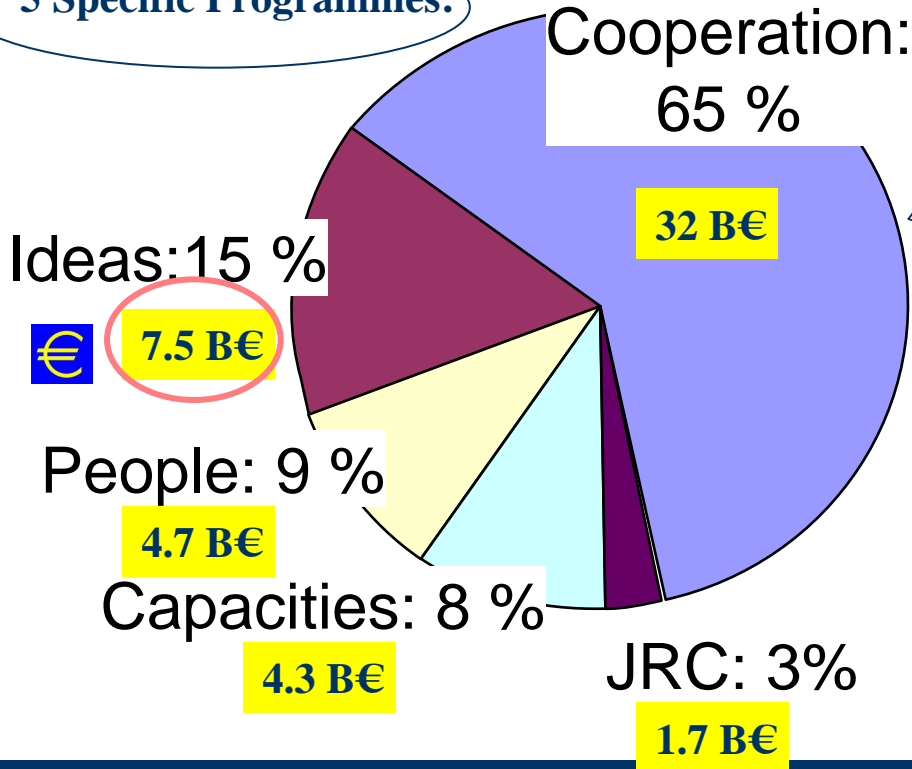


2007 - 2013

Budget: 50.7 B€

10 Themes

5 Specific Programmes:



ICT
Information and
Communication

Information Society
Technologies



9.12 B€

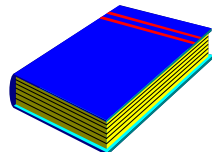



NMP
Nanosciences,
Nanotechnologies,
Materials & new
Production Technologies



3.5 B€

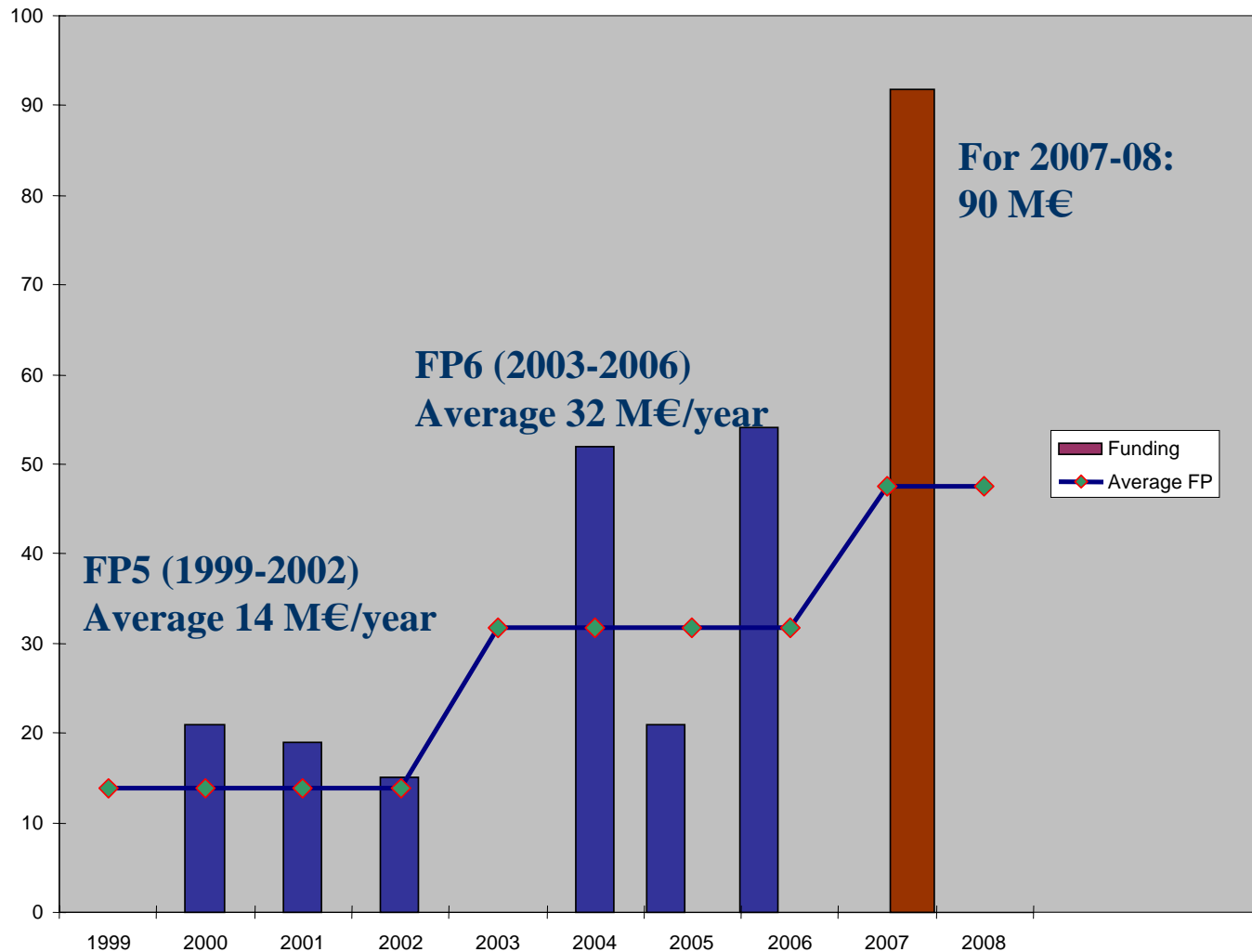
€ (Space, Security...)

Topics involving Photonics

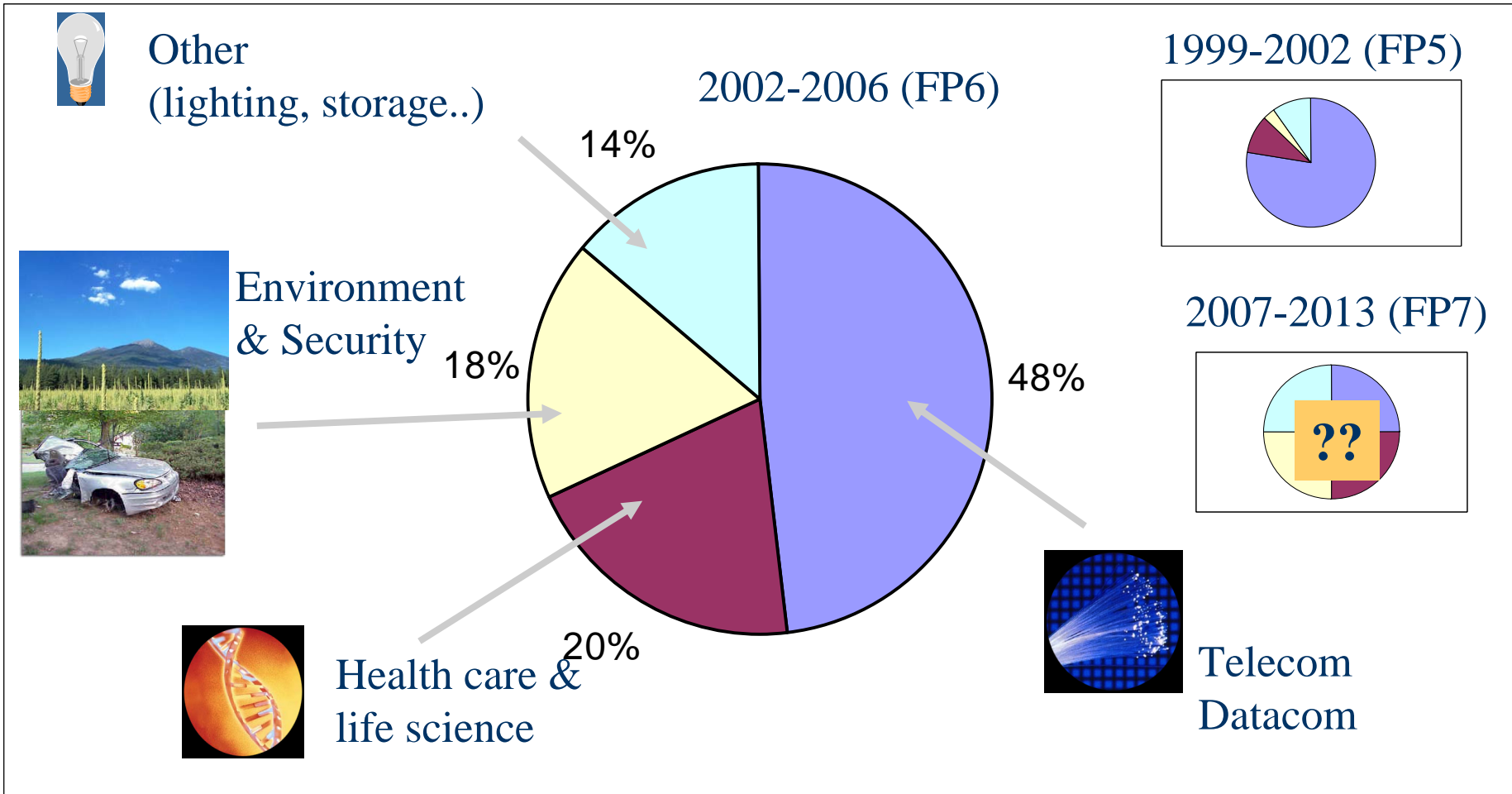
Research Theme	Specific objective:		Planned Budget 2007-2008
 <p>Information Society Technologies</p> <p>ICT Information and Communication Technologies</p>	<ul style="list-style-type: none"> - Photonic Components and Subsystems - The Network of the Future - New paradigms and Experimental facilities - FET – Future and Emerging Technologies - Display Systems 		<p>90 M€</p> <p>No pre-allocated</p> <p>No pre-allocated</p> <p>No pre-allocated</p>
 <p>NMP Nanosciences, Nanotechnologies, Materials & new Production Technologies</p>	<ul style="list-style-type: none"> - Organic Materials for Electronics and Photonics (including photovoltaics) - Nanostructured materials with tailored properties - Flexible efficient processing for Polymers (laser processing) - Rapid manufacturing concepts (small series production) - Processes & Equipment for 3D nanosurface production - Production (Techno. & Equip.) for micromanufacturing 		<p>No pre-allocated</p>

Photonic components – Average support

Funding
(M€)



Photonic Components: Evolution since 1999



Figures in “number of projects”

When ?

Photonic Components and Subsystems

Call 2: May-June 2007

-The Network of the Future

Call 1: January 2007

- New paradigms and Experimental facilities

Call 2: May-June 2007

FET – Future and Emerging Technologies:

- Open
- Pro-active (Metamaterials, year 2 ?)

From January 2007 (call 1)



FET – Open: 'Bottom-up'



FET – Proactive: 'Top-down'

2008 (call 3 ?)

Dissemination of OPERA 2015 activities

1. OPERA2015 Newsletter published in Optics&Laser Europe (4x/year):

More than 20.000 photonics experts in Europe addressed



2. In 2007 additional 5000 experts will be addressed through the dissemination of OPERA2015 information to EOS members

Responsible project partner: EOS, IDETRA (Spain)

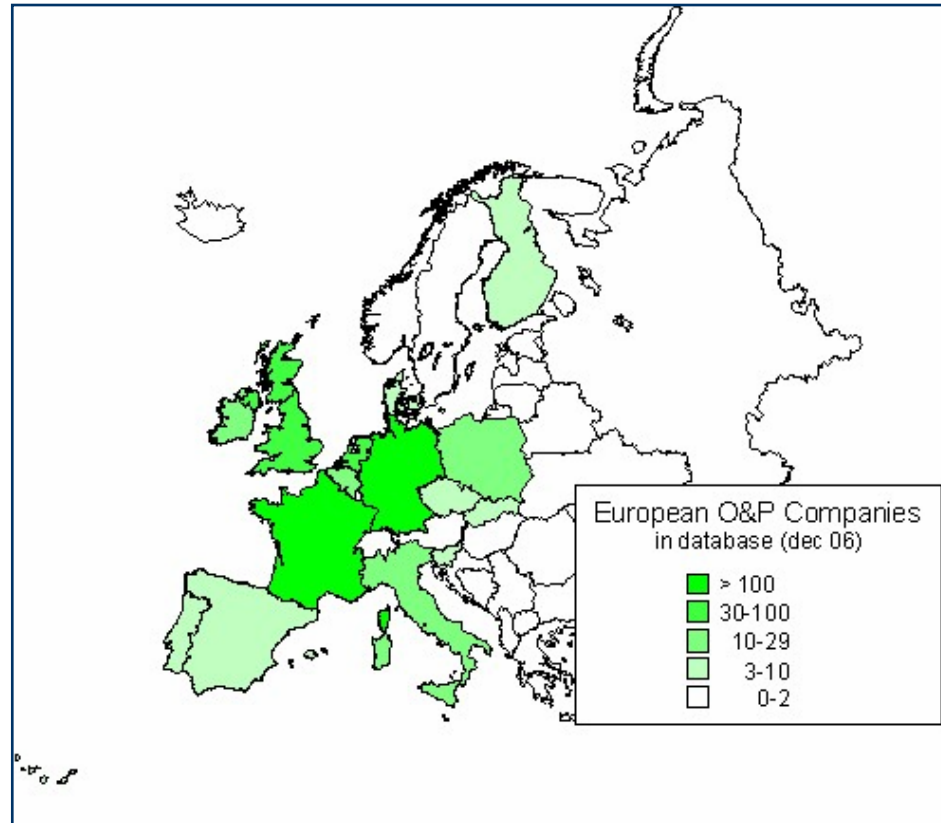
Circulation
Data OLE

EUROPE	
United Kingdom	4,042
Albania	1
Austria	185
Belarus	9
Belgium	650
Bosnia	1
Bulgaria	22
Croatia	9
Czech Republic	117
Denmark	313
Estonia	7
Finland	415
France	2,841
Germany	3,273
Greece	293
Hungary	95
Iceland	4
Italy	1,535
Latvia	16
Liechtenstein	11
Lithuania	36
Luxembourg	15
Malta	9
Moldavia/Moldovia	4
Monaco	1
Montenegro	5
Netherlands	1,196
Norway	171
Poland	266
Portugal	270
Republic Of Ireland	243
Romania	109
Russian Federation	291
Serbia	2
Slovakia	25
Slovenia	39
Spain	1,152
Sweden	577
Switzerland	698
Ukraine	26
Subtotal	18,974
TOTAL QUALIFIED CIRCULATION	21,259

Information on European Photonics companies

To date, information on more than 650 Photonics companies has been compiled:

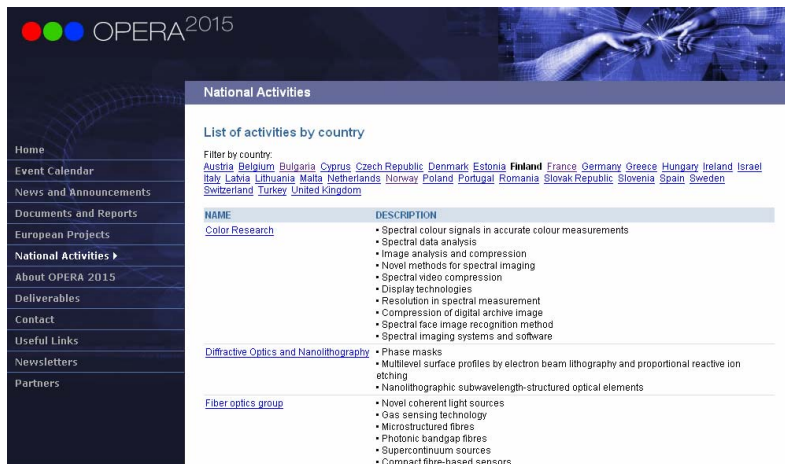
- Good information base on companies located in Western European countries
- Problems to spot companies in Eastern Europe



Responsible project partner: TNO, Netherlands

Information on European universities and research organisations

To date, information on more than 850 Photonics scientific research labs has been compiled



Responsible project partner: Optics Valley, France

