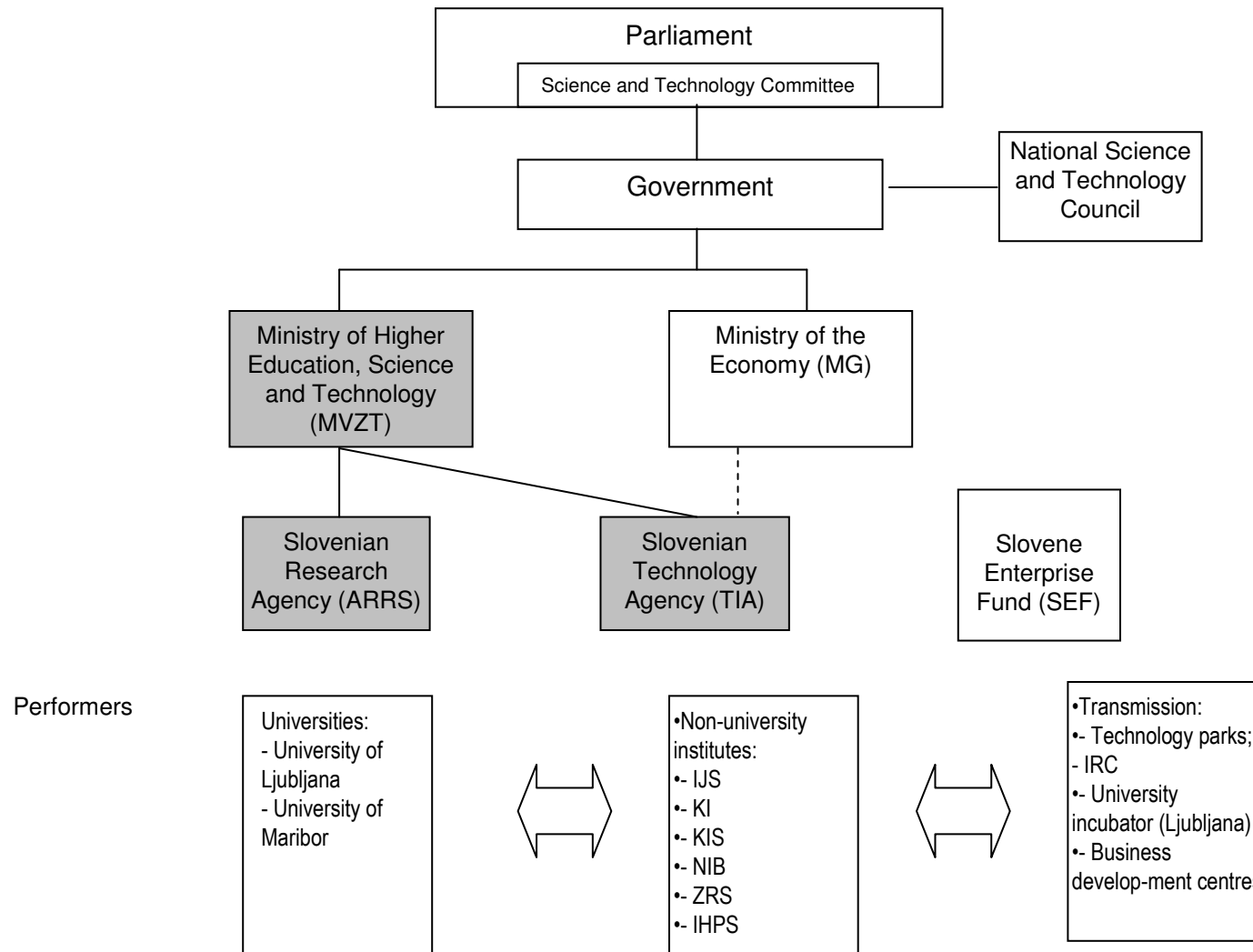


Presentation of Biotech R&D in Slovenia

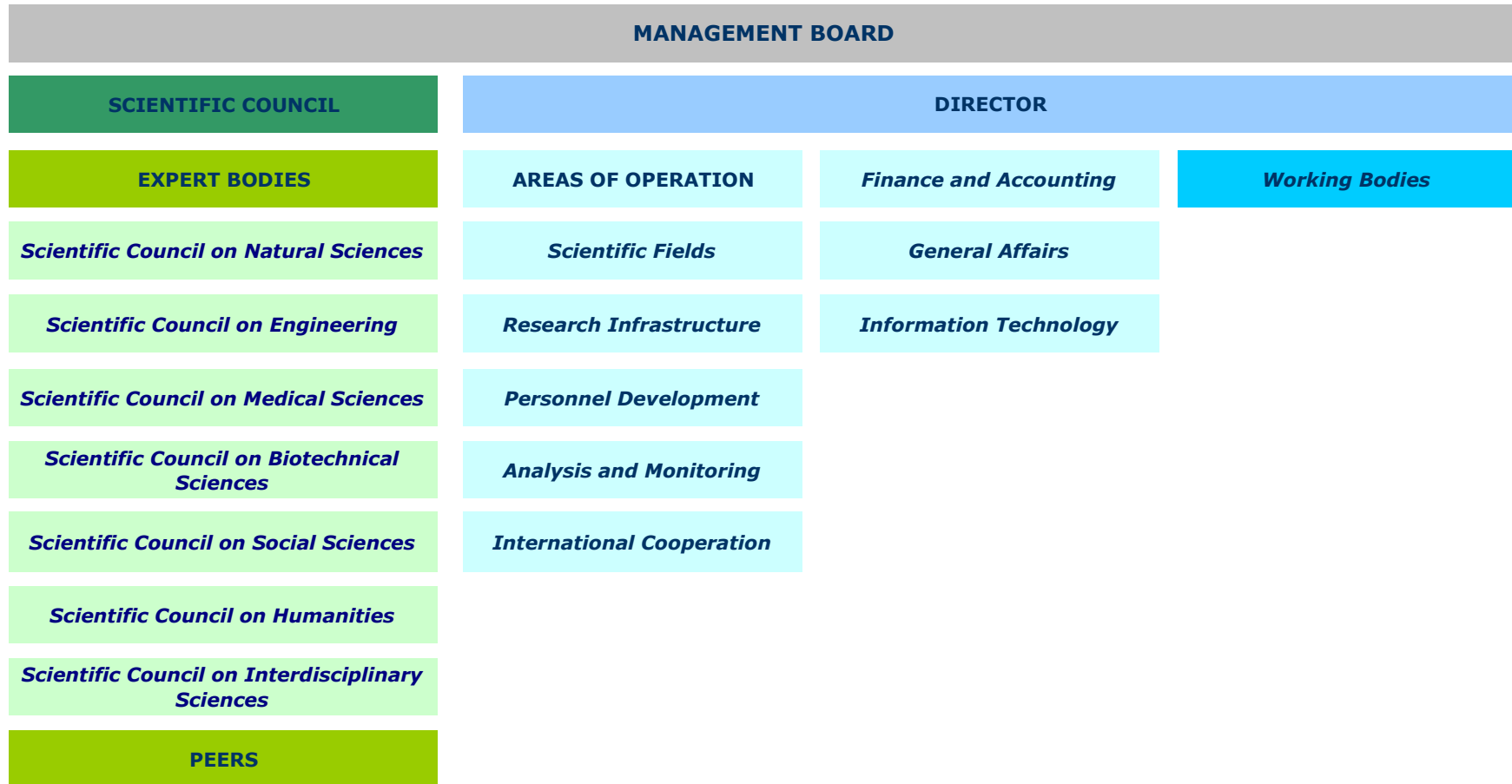
Peter DOVČ

*University of Ljubljana, Biotechnical Faculty
Slovenian Research Agency*

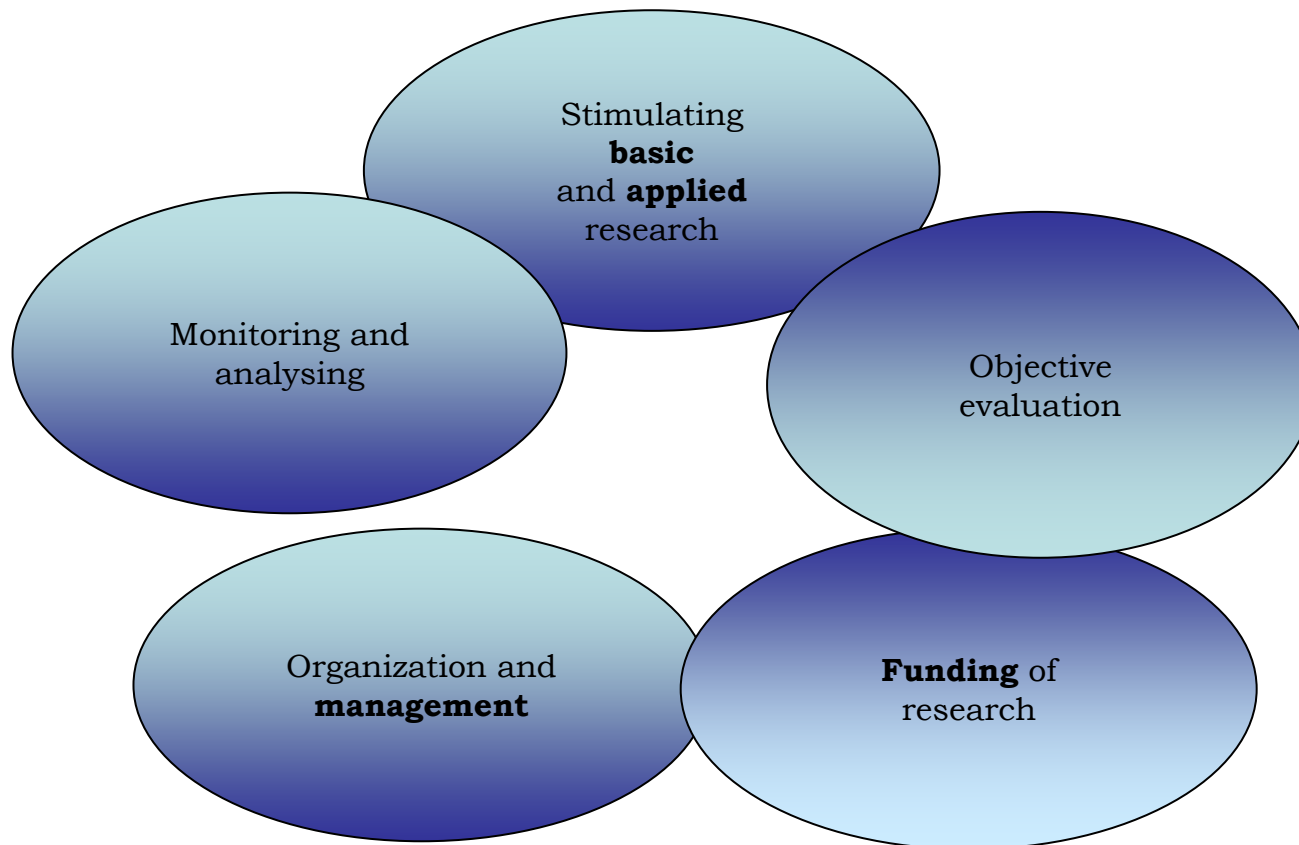
Biotechnology promotion in Slovenia – institutional landscape



Organisation of SRA



SRA GOALS



Main R&D players

- Universities
- Public research institutes
- Private research institutes
- Large industry (mainly pharma industry)
- SME

National public policy-directed biotechnology stimulating instruments
 during the period 2002 – 2005

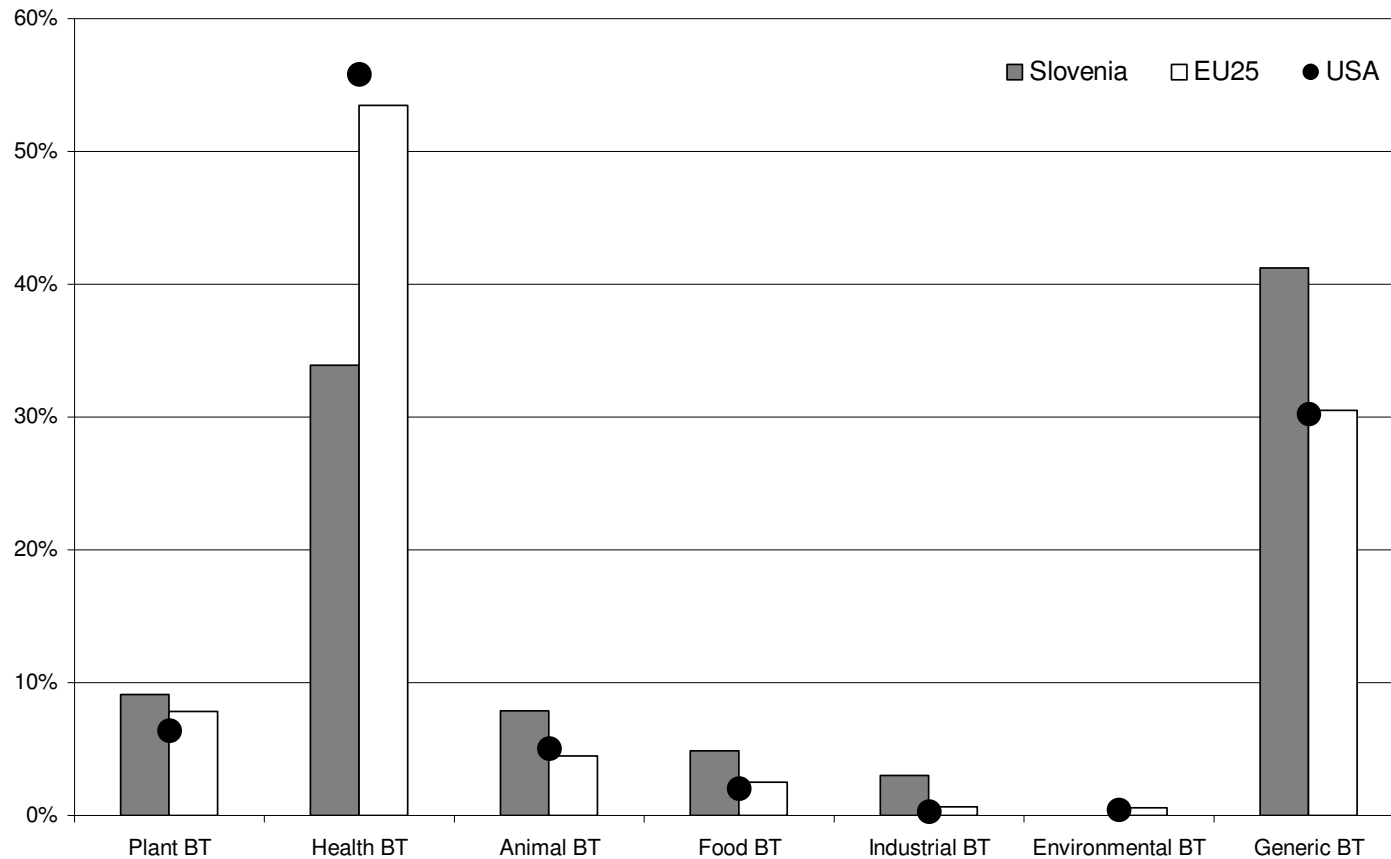
Instrument	Funding organisation	Budget in M EUR	% of total
National			
RPROG	ARRS	4.84	38,7
CRP	ARRS	1.37	10,9
YRProgramme	ARRS	6.31	50,4
Total		12.52	100

Slovenian involvement in biotechnology/life sciences programmes of the Sixth Framework Programme

Sixth Framework Programme¹ Thematic priority	Participation as coordinator	Participation as member of the project team²
1. Life sciences, genomics and biotechnology for health	0	47
2. Nanotechnologies, section bio-nanotechnology	0	0
5. Food quality and safety	0	11

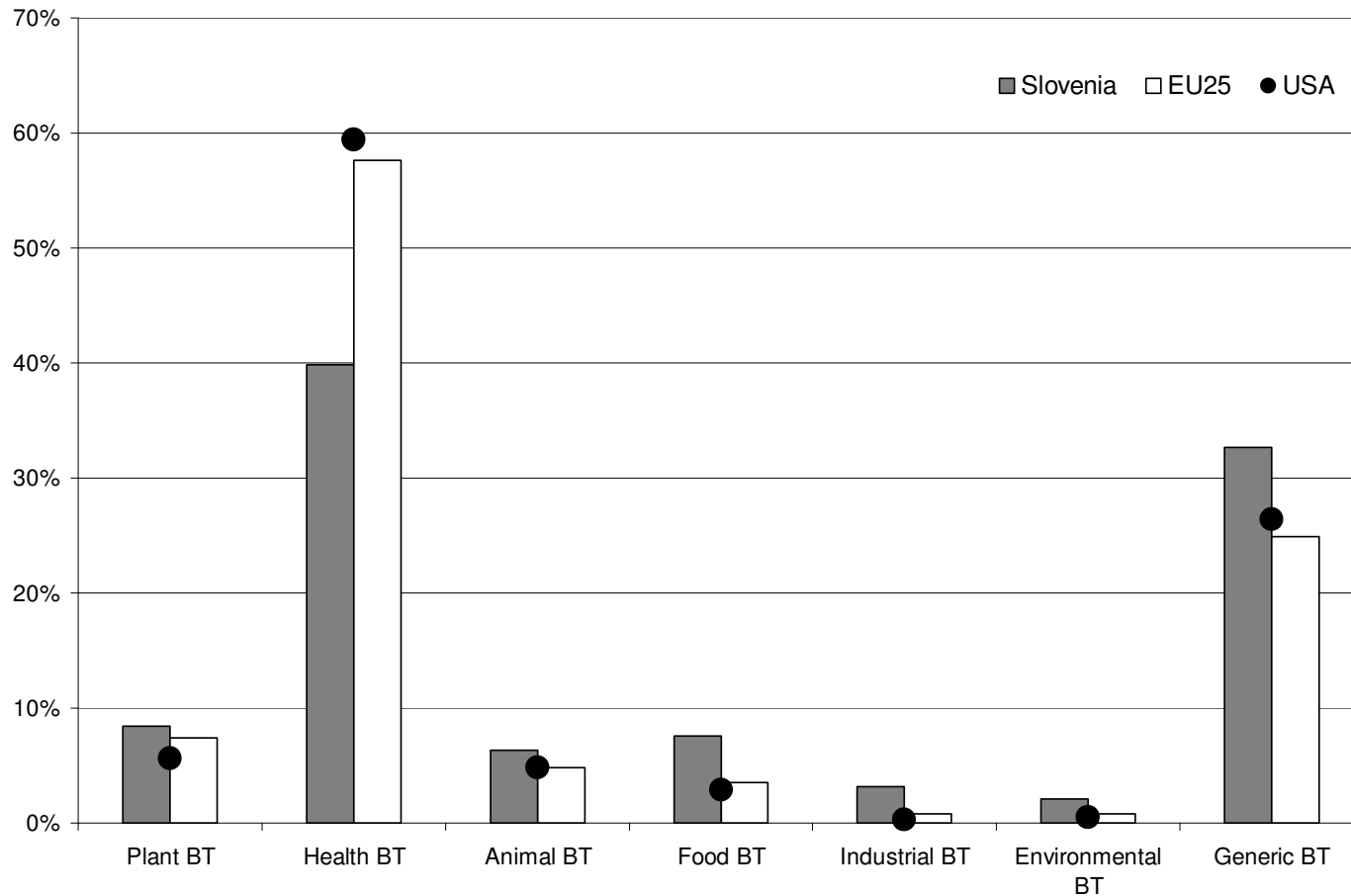
Bibliometric Analysis per Biotechnology Subfield, 1994 – 1996

Share of Biotechnology Subfields
Slovenia - Period 1994-96



Bibliometric Analysis per Biotechnology Subfield, 2002 – 2004

Share of Biotechnology Subfields
Slovenia - Period 2002-2004



BT publications per million capita (pMC): absolute and indexed

	BT publications			Population (million)		
	94-96	98-00	02-04	1996	2000	2004
EU25	97521	128716	145646	447	451	457
Slovenia	165	346	558	2	2	2
USA	119802	135508	154402	264	276	292
	BT Publications/pMC			Index EU25=100		
	94-96	98-00	02-04	94-96	98-00	02-04
EU25	218	285	319	100	100	100
Slovenia	8	174	280	38	61	88
USA	454	492	529	208	172	166

BT Patents pMC: absolute and indexed

	BT Patents			Population (million)		
	94-96	98-00	01-03	1996	2000	2003
EU25	4924	8921	10119	447	451	455
Slovenia	13	10	20	2	2	2
USA	8590	14396	12348	264	276	292*
	BT Patents/pMC			Index		
	94-96	98-00	01-03	94-96	98-00	01-03
EU25	11	20	22	100	100	100
Slovenia	7	5	10	59	25	45
USA	33	52	42	295	264	190

BT start-ups pMC for period 2001-2003 and year 2003: absolute and indexed

	BT Start-ups		Population in T	
	2001-2003	2003	2003	
Europe (EU 15 - Cyprus - Greece + Norway + Switzerland)	523	132	367051	
Slovenia	n.a.	n.a.		
USA	355	83	290789	
	Biotec Start-up/pMC	Index	Biotec Start-up/pMC	Index
	2001-2003	2001-2003	2003	2003
Europe (EU 15 - Cyprus - Greece + Norway + Switzerland)	1,4	100	0,36	100
Slovenia	n.a.	n.a.	n.a.	n.a.
USA	1,2	86	0,29	79

Growth rate of BT publications in subfields between the periods 1994/96 – 2002/04

	1994-1996/2002-2004						
	Plant	Health	Animal	Food	Industrial	Environ- mental	Generic
EU25	38%	56%	56%	106%	86%	95%	19%
Slovenia	220%	305%	177%	438%	260%	100%	174%
USA	11%	35%	23%	83%	47%	58%	11%

Biotechnology in R&D policy

- Good acceptance
- Declarative support in the National research programme
- Among priorities for particular calls
- No special financial support in order to correct existing distortions in R&D
- No slovenian industrial members of IMI