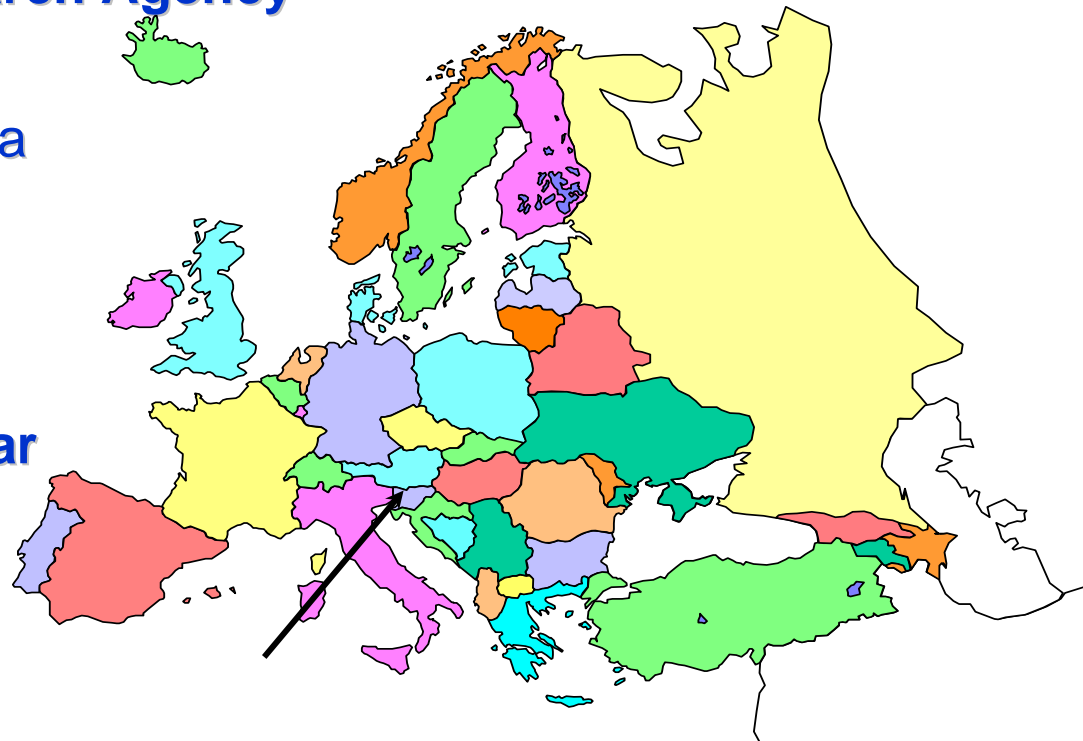


Republic of Slovenia
Slovenian Research Agency
Trg OF 13
Ljubljana, Slovenia

Dr. Franci Demšar
Director



PROGRAMME FOR YOUNG RESEARCHERS IN SLOVENIA

Basic data :

- **1.200** young researchers (850-900 FTE) financed per year
- **250** new candidates for young researchers accepted per year
- 5.613 mio SIT (**125 mio EUR**) per year
- **19 %** of the budget of Slovenian Research Agency



Contents:

- 1. Human Research Resource Management in Slovenia**
2. Description and rules of funding
3. Structure of funding
4. Evaluation process
5. Results of programme
6. Conclusions



Policy **goals** in the field of Human Research Resources:

- to **educate** top-quality research personnel
- to increase the **extent** of research activity
- to foster high research **quality**
- to increase the application of knowledge through knowledge **transfer** (mobility of researchers)



Contents:

1. Human Research Resource Management in Slovenia
- 2. Description and rules of funding**
3. Structure of funding
4. Evaluation process
5. Results of programme
6. Conclusions



Young researchers programme (“New blood”)

- Start in **1985** as an important program to prevent Slovenia from lagging behind in scientific and technological development.
- Doubling the **research budget** in the late 80 s

Goals:

- to **renew** and rejuvenate the research personnel in research institutes and universities,
- to educate **qualified** professional research staff, **also for industry** and other non-academic institutions



Research training programme:

- young researchers are **employed** for a specified period
 - They have salaries, cost-covering scholarship and material expenses, including small equipment
- along with the **post-graduate studies**, they work on basic and applied **projects** or **programmes**
- within the period of training and education at **home**, they can also study **abroad** (from 1 month to 12 months)



General rules:

Admittance

- Average Study Grade at least 8 at Level II.
- As a Rule, Age up to 28

Funding Period

- 2.5 Years for a Master's Degree
- 2.5 Years for Doctor's Degree
- 4 Years Uniform Doctoral Studies

Benefits

- Temporary Employment
- Earnings according to Collective Agreement
- Funding of Research Work
- Cost – Covering of Post Graduate Studies



Some **novelties** in programme:

- Young researchers for **bussines** sector
- Public call for **tutors** of young researchers instead for **applicants**
- **Thematic** oriented public call by priorities of Government
- Possibilities for applicants of young researchers from **foreign countries** (also for post-doc applicants)



Contents:

1. Human Research Resource Management in Slovenia
2. Description and rules of funding
- 3. Structure of funding**
4. Evaluation process
5. Results of Programme
6. Conclusions

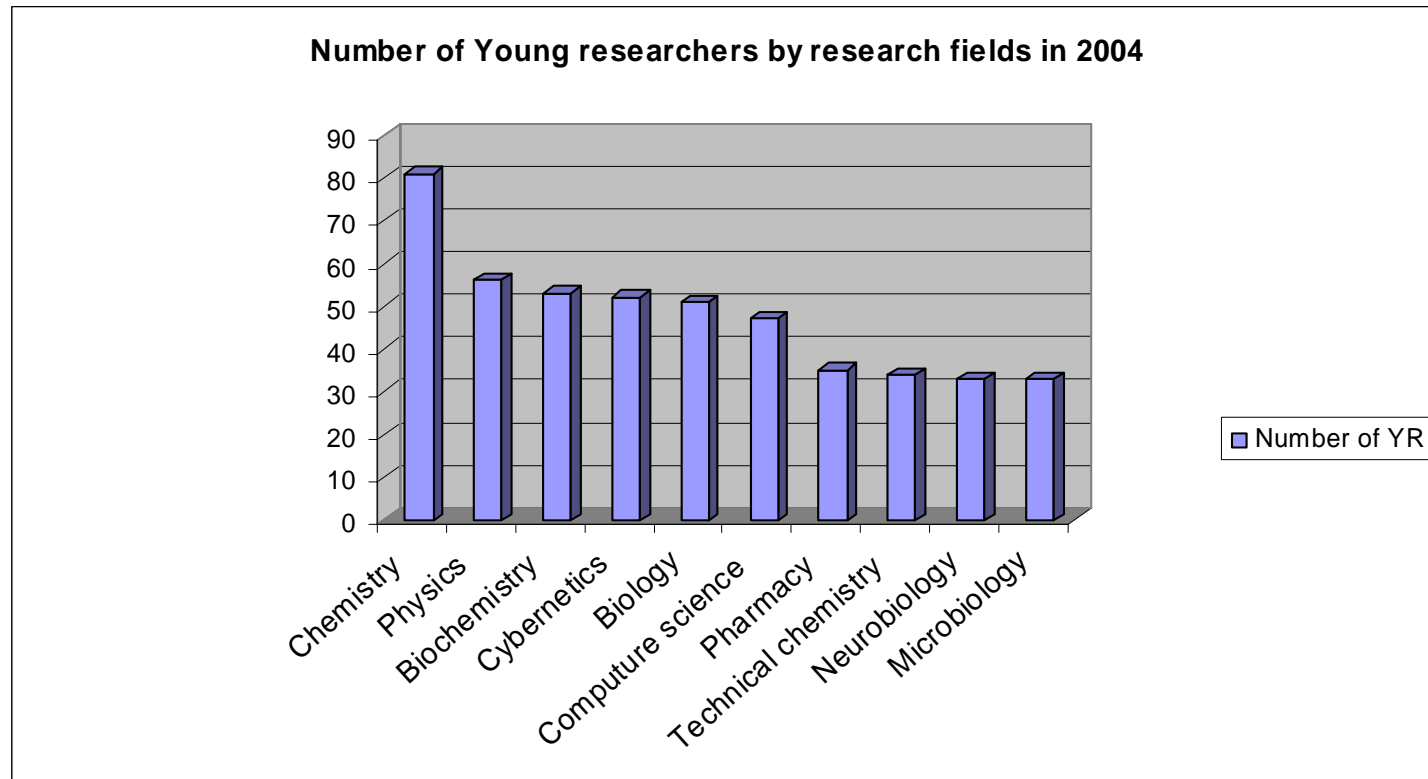


Total volume of financed young researchers by scientific disciplines, 1985-2004

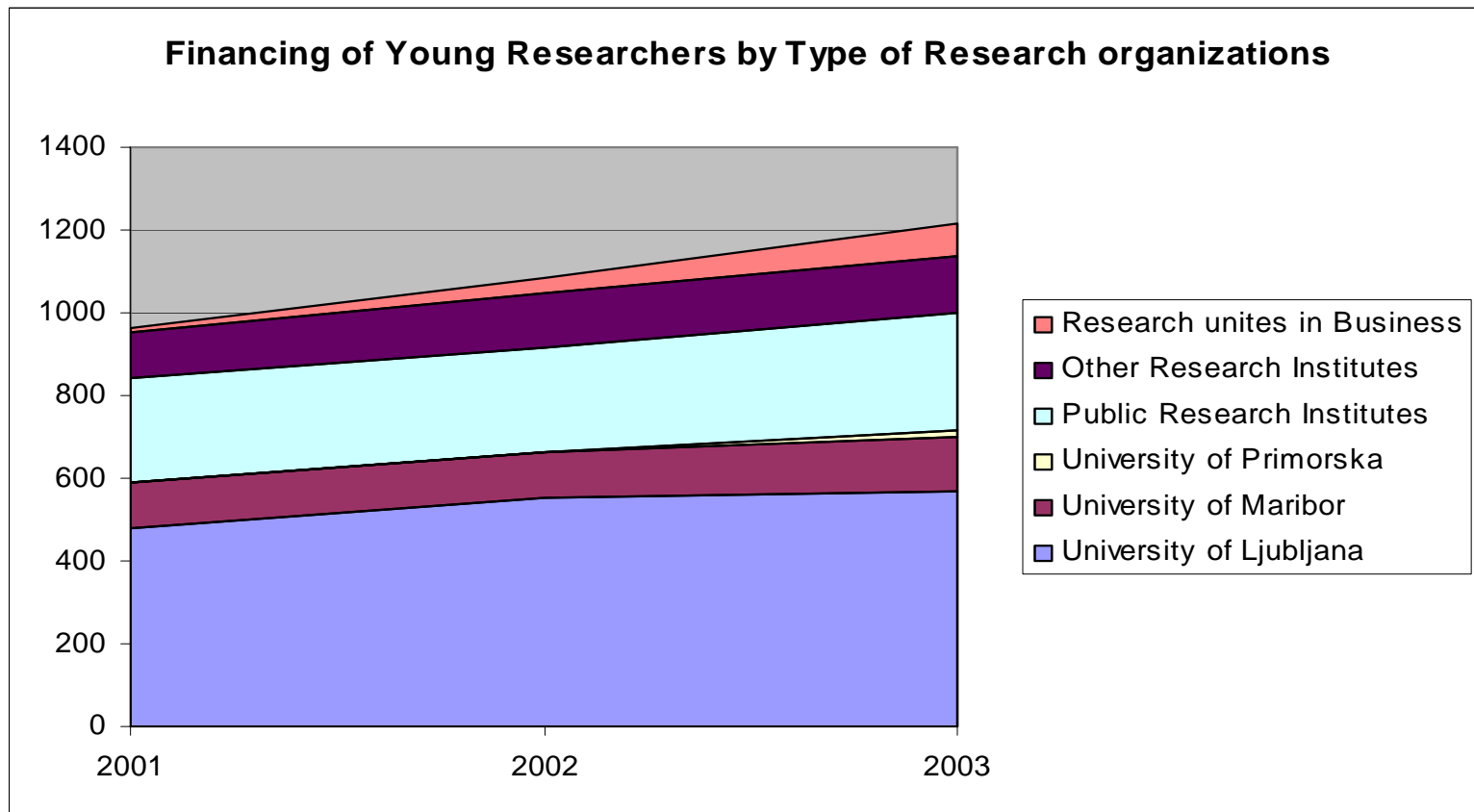
<i>Discipline</i>	<i>Number</i>	<i>Structure</i>
<i>Natural Sciences</i>	1.341	25,1
<i>Technical Sciences</i>	2.046	38,3
<i>Medicine</i>	478	8,9
<i>Agricultural Sciences</i>	593	11,1
<i>Social Sciences</i>	500	9,4
<i>Humanities</i>	387	7,2
<i>Others</i>	2	0,0
Total	5.347	100,0



Top ten research fields by number of Young researchers in 2004

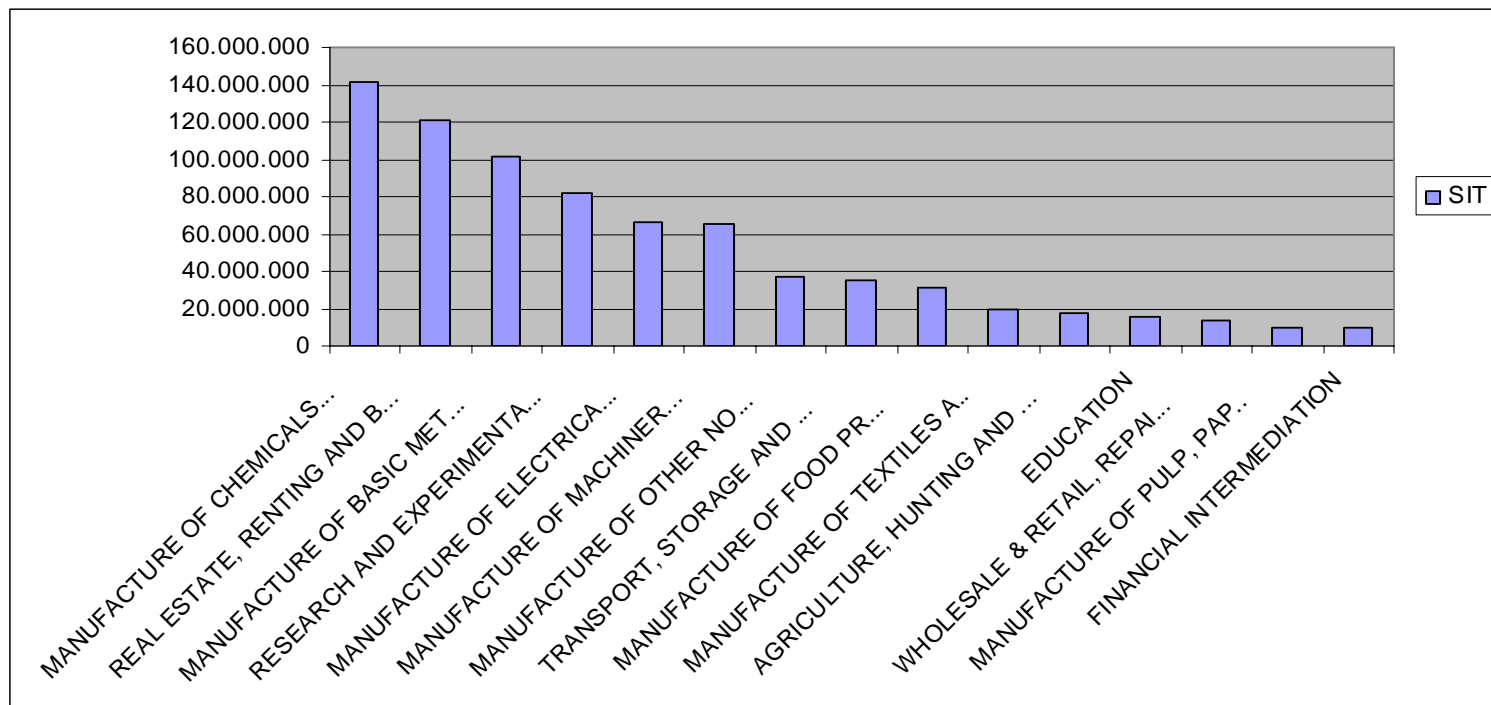


Young researchers by Research Organizations



One of novelties: Young researchers in **business sector** by fields of production (2001-2004)

- N= 120



Contents:

1. Human Research Resource Management in Slovenia
2. Description and rules of funding
3. Structure of funding
- 4. Evaluation process**
5. Results of Programme
6. Conclusions



Evaluation of tutors for applicants of young researchers:

- **Scientific excellence** of tutors (bibliometrics data in COBISS)
- **The past success** of tutors in young researchers training
(number of doctor's degree, master's degree)
- **Links with users** in industry, economy ...
(share of income gained outside of state budget)





Dr. Robert Blinc [00004]

Znanstvene publikacije (2000-2005)

Kategorizacija po metodologiji ARRS

Tip	SCIE/1	SCIE/2	SCIE/3	SCIE/4	SSCI/1	SSCI/2	AHCI	MBP	SLOR	NK	Skupaj
1.01	41	2	4	7	0	0	0	2	0	0	56
1.02	1	0	0	0	0	0	0	0	0	0	1
1.03	0	0	0	0	0	0	0	0	0	0	0
	MZZ	NZZ	DRZ								
2.01	0	0	1							0	1
1.16	1	0	1							1	3



EVALUATION FORM

A		Number of points in line with 30. paragraph of Rules on the Co-financing of Basic, Applied and Postdoctoral Research projects
	1. Scientific Articles published in the last 5 years	
	▪Scientific journal article based on SCI Expanded, with impact factor	
	▪Scientific journal article based on SSCI, with impact factor	
	▪Scientific journal article based on A&HCI	
	▪Scientific journal article which is not based on ISI database but international bibliographic database, specialized for research fields	
	▪Scientific article in other slovenian scientific journals from the Slovenian Research Agency list	



EVALUATION FORM

A		Number of points in connection with 30. paragraph of Rules on the Co-financing of Basic, Applicative and Postdoctoral Research projects
	2. Scientific Monograph	
	▪ Monograph, edited by international (scientific) publisher	
	▪ Monograph, edited by national (scientific) publisher	
	▪ Monograph, edited by other publishers	
	▪ Chapter or article in the scientific monograph	



EVALUATION FORM

A		Number of points in connection with 30. paragraph of Rules on the Co-financing of Basic, Applicative and Postdoctoral Research projects
	3. Science citation index of published bibliographies	
	▪Scientific articles of the candidate from the first criterion were quoted in the last 5 year period (without self-citation)...	



EVALUATION FORM

B		Number of points
	1. Links between research work and users	
	<p>▪Candidate is the head or coordinator of project which was financed in the last five years:</p> <ul style="list-style-type: none"> ➤Applied project extended over.....FTE per year ➤International project extended over.....FTE per year ➤Industrial project extended over.....FTE per year ➤Development project extended over.....FTE per year ➤Target research program extended over.....FTE per year 	



EVALUATION FORM

C	Quality of program group in which collaborate candidate for the tutor	Number of points
---	---	------------------



EVALUATION FORM

D		Number of young researchers/ number of points
	1. Number of young researchers which were financed by the Slovenian Research Agency in the last 10 year period	
	2. Number of successfully qualificated young researchers in the last 10 year period <ul style="list-style-type: none"> ➤ with master's degree ➤ with doctor's degree 	
	3. Number of unsuccessfully qualificated young researchers in the last 10 year period	
	▪.....young researchers	
	4. Number of young researchers employed outside the research organization in the last 10 year period	
	▪.....young researchers	



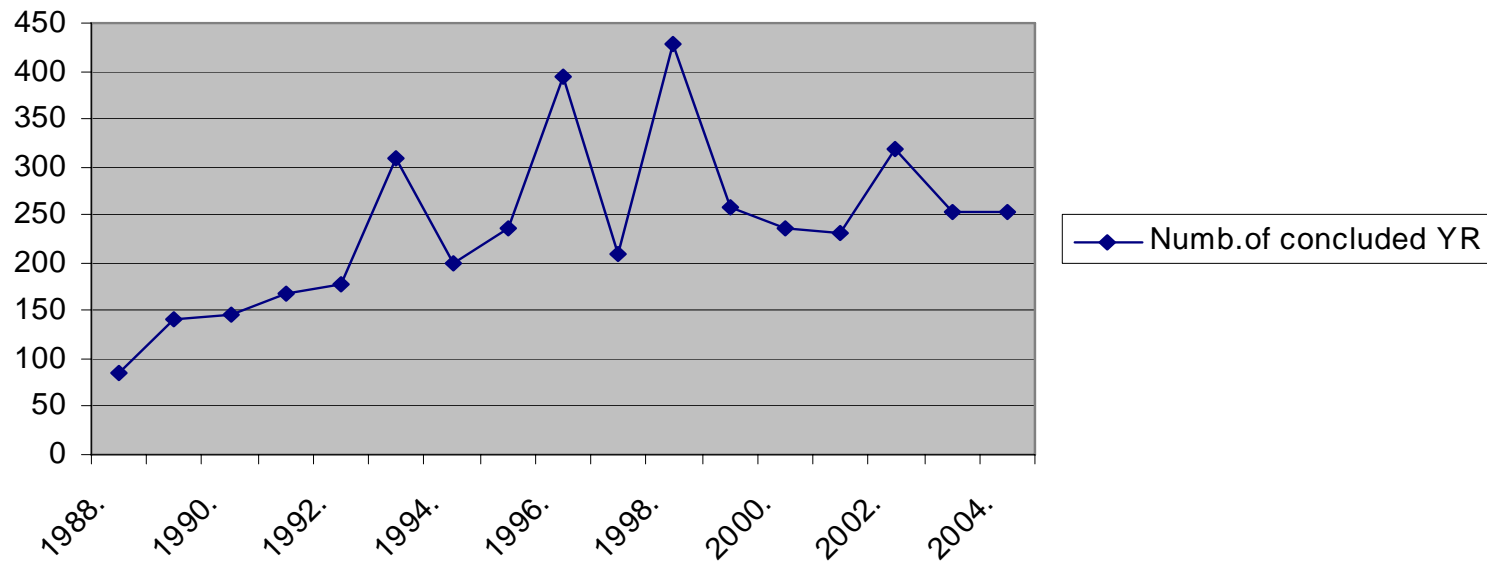
Contents:

1. Human Research Resource Management in Slovenia
2. Description and rules of funding
3. Structure of funding
4. Evaluation process
- 5. Results of Programme**
6. Conclusions

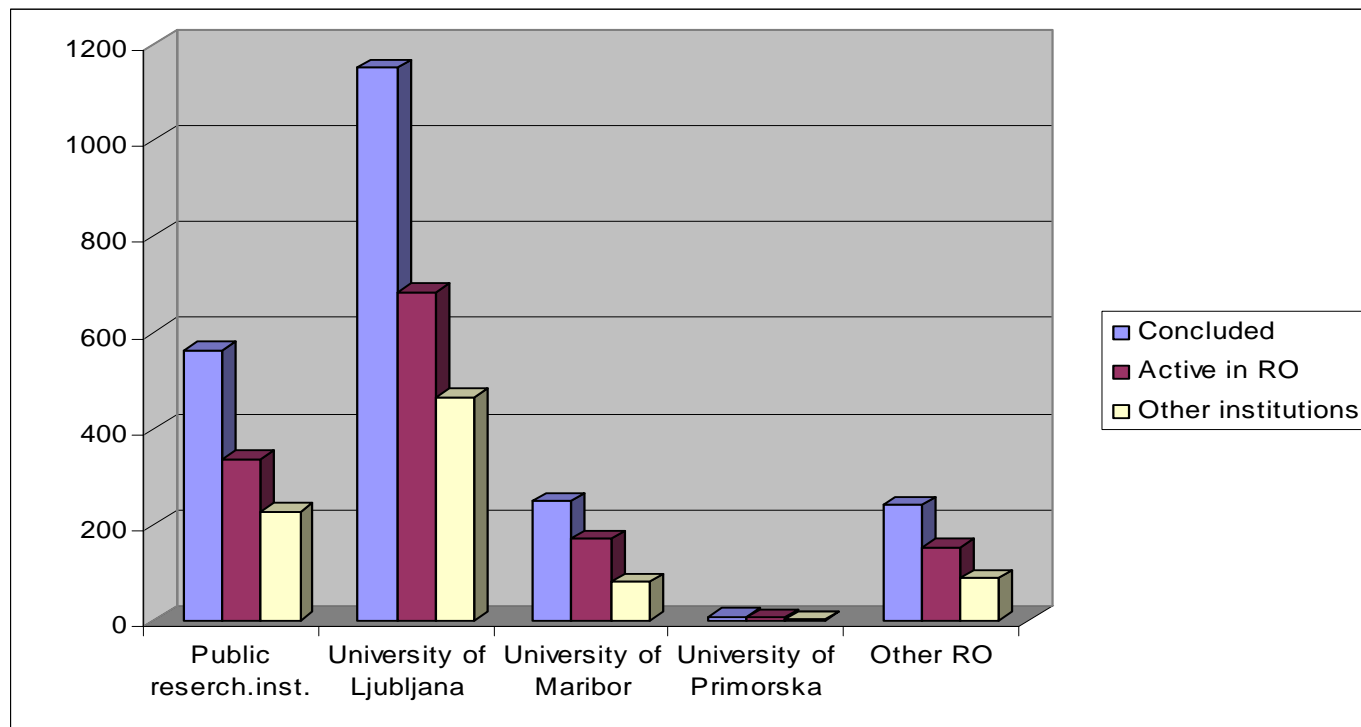


Results of Programme:

Number of young researchers which were finished programme by years 1988-2004
N = 4087



Employment of Young researchers in period 2000-2004:



Contents:

1. Human Research Resource Management in Slovenia
2. Description and rules of funding
3. Structure of funding
4. Evaluation process
5. Results of Programme
- 6. Conclusions**



Conclusions:

- Qualified and active human resources play many important roles at several levels of Slovenian development
- Slovenian research agency will continue with young research programme which will be more oriented toward national research and development **priorities** for strenghten our competitiveness in global world.

