





### 20<sup>th</sup> EAFP Conference

### **Science-based pharmacy education:**

### **Towards better medicines and patient care**

Ljubljana 2014



### 2000th anniversary of EMONA

#### WE ARE HERE





### 50.000 years ago



#### The oldest flute

lina 21 cm



### The year of the oldest wooden wheel (5.200 years)







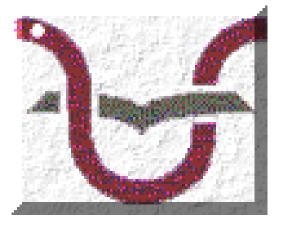
#### 95th anniversary of Universitas Labacensis

#### UNIVERZA V LJUBLJANI 1919 - 2014



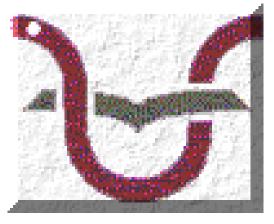
## Pharmacy education in Ljubljana

- 1710 Pharmaceutical code for Duchy Carniola
- 1946 First attempt to have pharmacy education in Ljubljana at university level
- **1955 Section for pharmacy** Department for chemistry, Faculty of natural sciences, mathematics and philosophy
- **1960 Complete 4-years program of pharmacy** (diploma as research work)
- 1962 Section for pharmacy, Faculty for science and technology
- 1991 Department for pharmacy
- 1992 Became members of EAFP
- 1996 Faculty of pharmacy
- 2004 First enrolment into 5-years program
- 2007 First enrolment into Bologna reformed program of pharmacy



## Pharmacy education in Ljubljana

- Till now:
  - 4448 graduates on all programs,
  - 3128 graduates on pharmacy program,
  - 230 all PhDs,
  - 199 PhDs on pharmacy program
- Research (WoS & Scopus) in 2004-2014
  - > 4.500 articles , 1270 original scientific
  - > 14.000 citations without autocitations



### Past – Presence – Future

The presence means using past experiences for future achievements

How to prepare graduates for future challenges?

- Expectations of the employers and even more of population are higher and higher
- The half life of knowledge in fields of pharmacy and biomedicine is shorter and shorter

# Quality?

• Quality = Fulfiling expectations of customers

### Who are customers of HEIs?

- Highschool pupils
- Students
- Graduates
- Employers in real sector
- Employers in public sector
- State as financer
- Local/regional comunity
- Wider population
- Interfaculty cooperation and networking
- Quality assurence & assessment
- Program and institutional accreditations (not specific for pharmacy)
- Pharmine & Phar QA projects: option and tool

### Pharmacy, regulated profession

 What is necessary to know and to be able to do the first day of employment in the regulated profession?

 What should be learned and trained through 40 yrs of lifelong learning at the job?

An excellence in specific field and broad minded professionals

### Why we are here?

(beside nice place and nice people ③)

- To exchange
  - opinions
  - good practices
- To open doors for diversity in
  - teaching tools
  - pedagogical approaches
  - local characteristics

BUT: with clear commitment to have all around the Europe qualified pharmacists competent

- to produce safe and effective medicines
- to assist increased public demands for health services







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