

# KATHOLIEKE UNIVERSITEIT LEUVEN



#### Brain drain in Europe: a journey in Medical physics

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### Questions

Why?

Where?

Who?

How many?

How?

Requirements / qualifications?

Work oportunities?

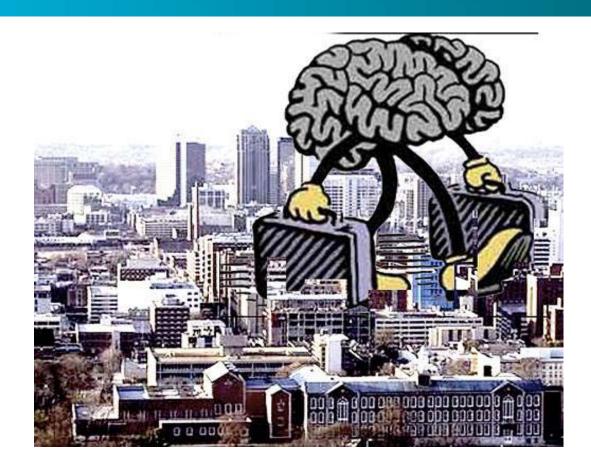
Working conditions?

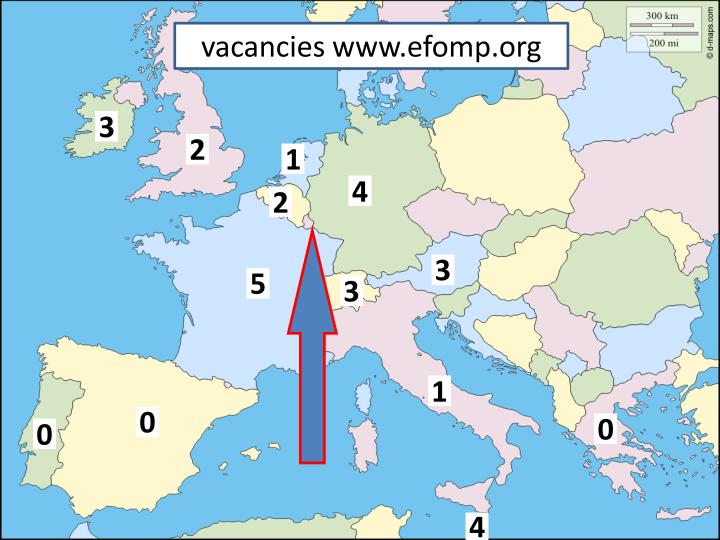
Quality of life?

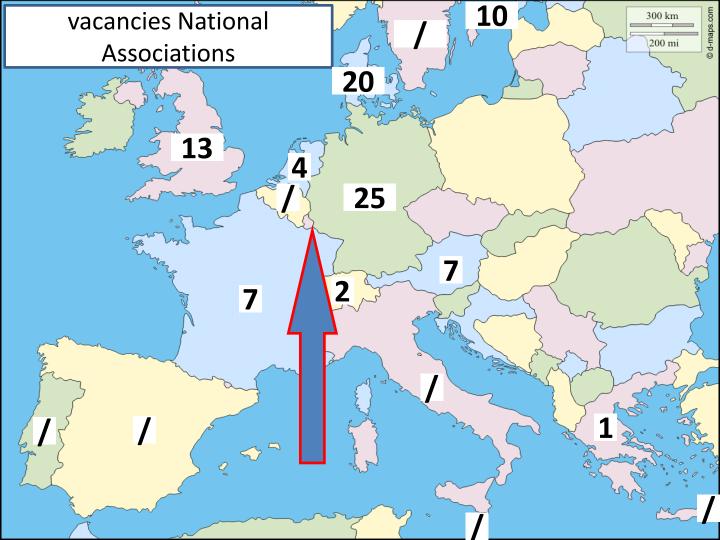
language?

Professional development?

Temporary or permanent jobs?







## From Greece to Belgium

#### **Similarities**

- ✓ Population
- √ Years to graduate
- ✓ .....

## From Greece to Belgium

#### **Differences**

- ✓ Cost of postgraduate studies
- ✓ Licence without exams after clinical training
- ✓ Annual number of new medical physicists
- √ 3 licences and not 1 for all
- ✓ PhD oportunities (funded)
- ✓ Post-Doc oportunities (funded)
- ✓ Companies in Medical Industry

## Med Physicists in Radiology

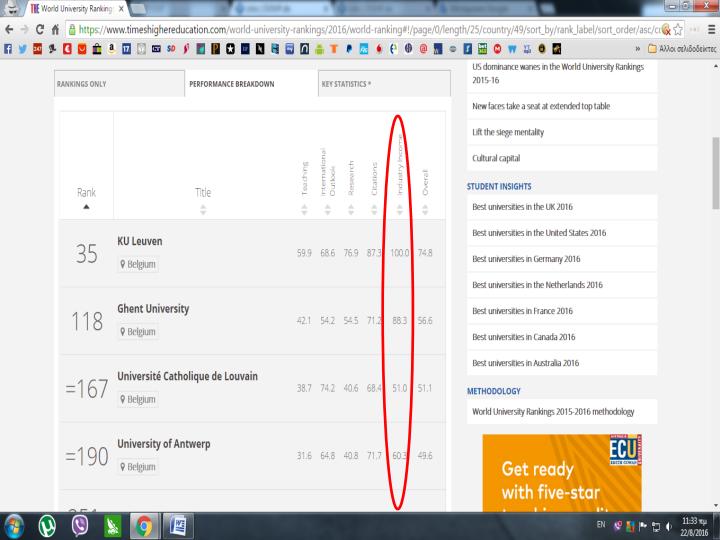
#### **BELGIUM**

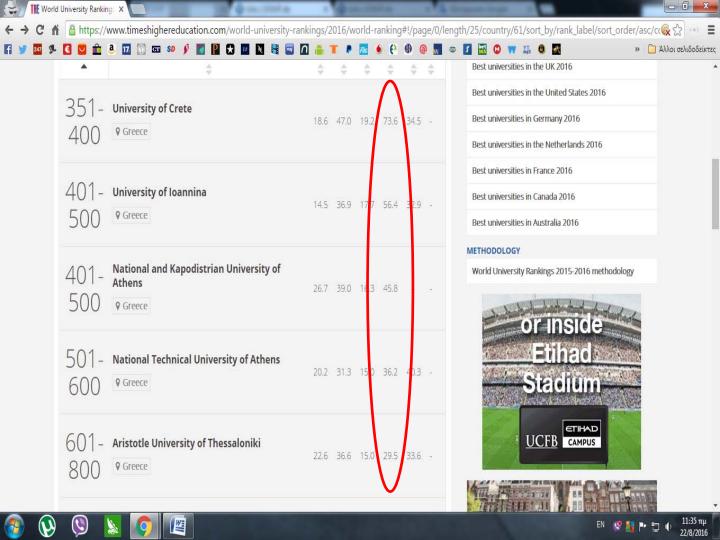
- ✓ ~ 40 Med Physicists for QA/QC tests
  - √ 1 / 275000 inhabitants

**VS** 

#### **GREECE**

- √ ~ 400 Med Physicists for QA/QC tests
  - √ 1 / 27500 inhabitants





## Requirements / procedure

To work in a hospital...

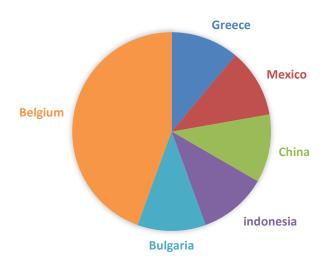
- ✓ Certified medical physicist
- ✓ Legalization of diplomas (long & expensive procedure)
- ✓ At least one year of clinical training in radiology / or proof of experience
- ✓ Language...(Dutch or French)
- ✓ Application
- ✓ In-site IQ tests

### Companies

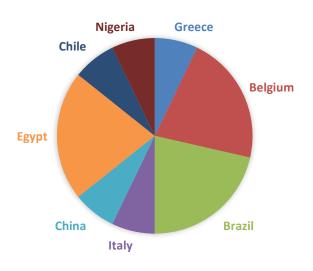
- QAELUM NV (dose tracking)
- AGFA Gevaert NV
- BARCO
- IBA dosimetry
- IMEC
- Materialise (3D printing)

## University jobs

## Researchers Medical Physics group



## Researchers dental radiology



## Medical Physicists in Europe

Harmonization of education, training and recognition requirements for Medical Physics experts in EU

- ✓ Will increase the work oportunities in the member states
  - ✓ Will make easier mobility within EU



**EFOMP via EUTEMPE project** 

# THANK YOU VERY MUCH FOR YOUR ATTENTION