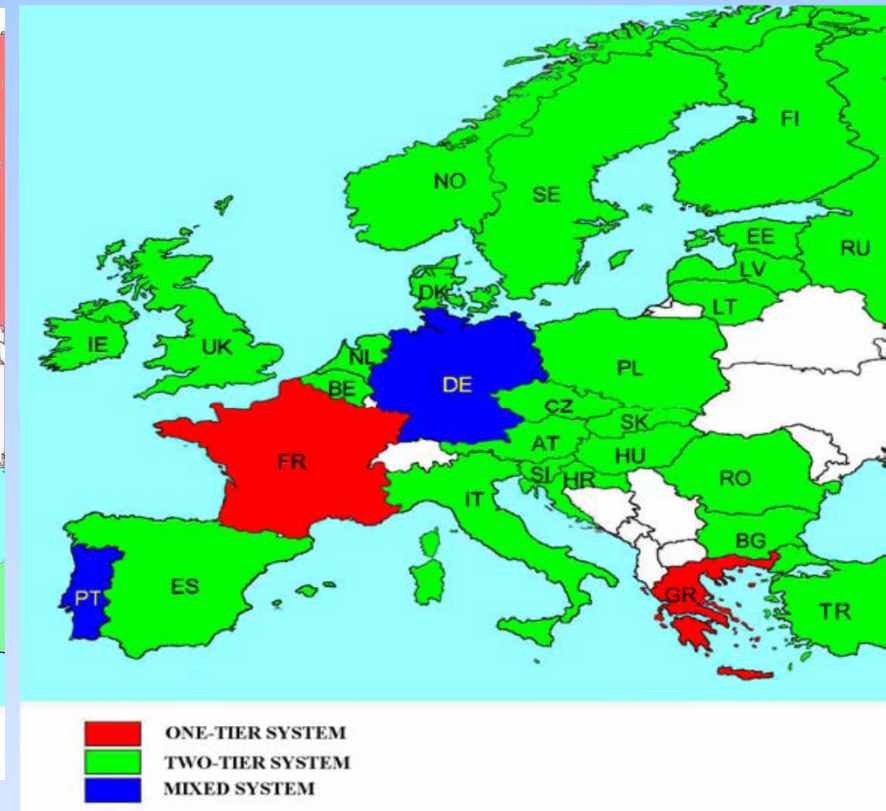
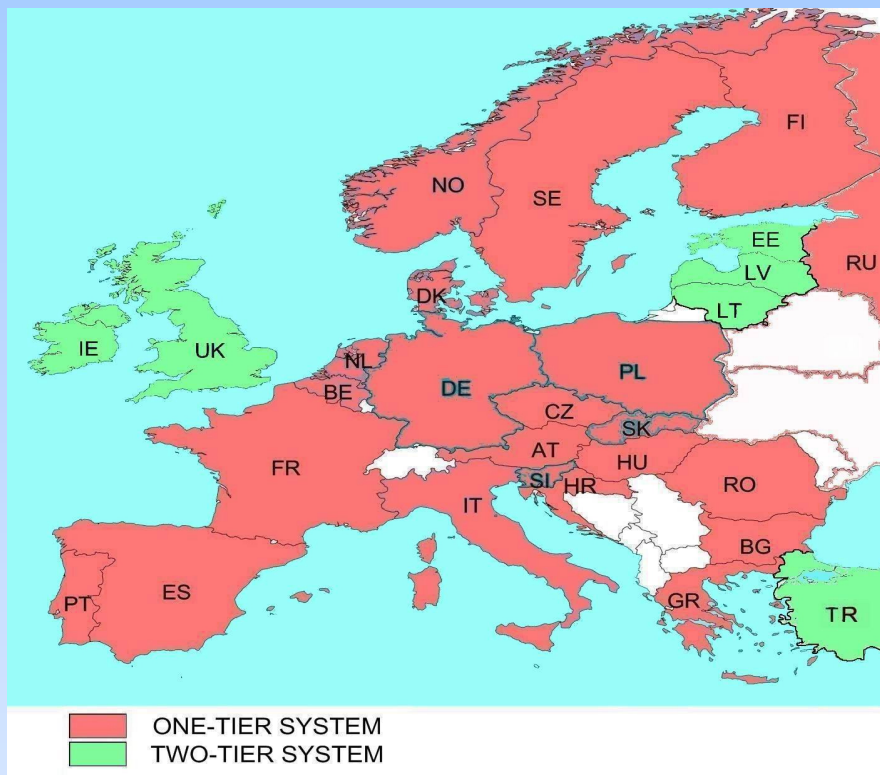


Civil Engineering Education and the Bologna Declaration: A Greek Retrospective

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European civil engineering education systems (EUCEET Volumes 2004, 2010)



Greece's Opinion

“Any splitting of the existing structure into two cycles, de facto downgrades the undergraduate cycle

We reject explicitly the main objective of the Bologna Declaration, namely the compulsory and universal division of all University courses into two cycles...”

(Prof. T. Xanthopoulos, 2003)

Education in Greece



Greece's Reasons for Objection

- Educational system to produce civil engineers with different individual qualifications
- Bachelor's degree - lower level engineer
- Bachelor's then Master's - specialist
- Integrated system - high level or “Master Engineer”
- A two-tier Bachelor plus Master's degree is not equivalent to a Master's degree obtained from an integrated system

Integrated System

- Global education:
 - universal, non-specialised, multidisciplinary, strong and very firm background in many sciences, broad knowledge of other disciplines, etc.
- Required in order to tackle present day problems:
 - over population, environmental destruction, global warming, sustainability, etc.

Earthquakes



Agreement with Greece

- ASCE
- FEANI
- CESAER
- SEFI
- Washington Accord
- Engineers Mobility Forum
- Institution of Engineers of Ireland
- UK Joint Board of Moderators (ambivalent)

Similar Objections

- Italy (Consiglio Nazionale degli Ingegneri and National Council of Engineers)
- Germany (German construction industry, the Conference of Faculties of Civil Engineering and the Standing Committee of German speaking Civil Engineering Faculties)

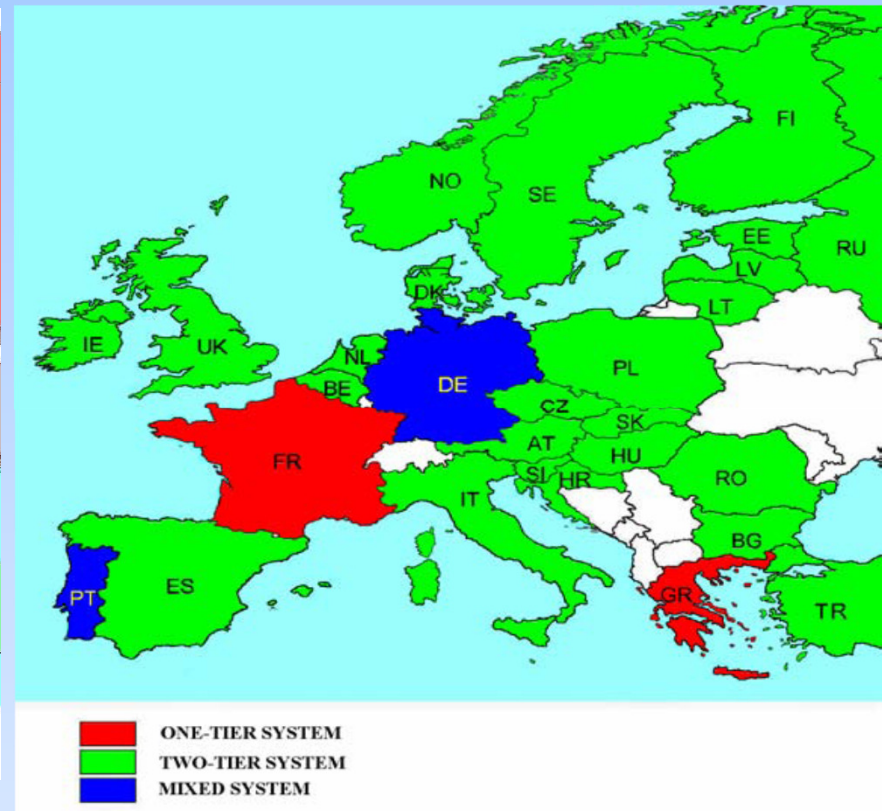
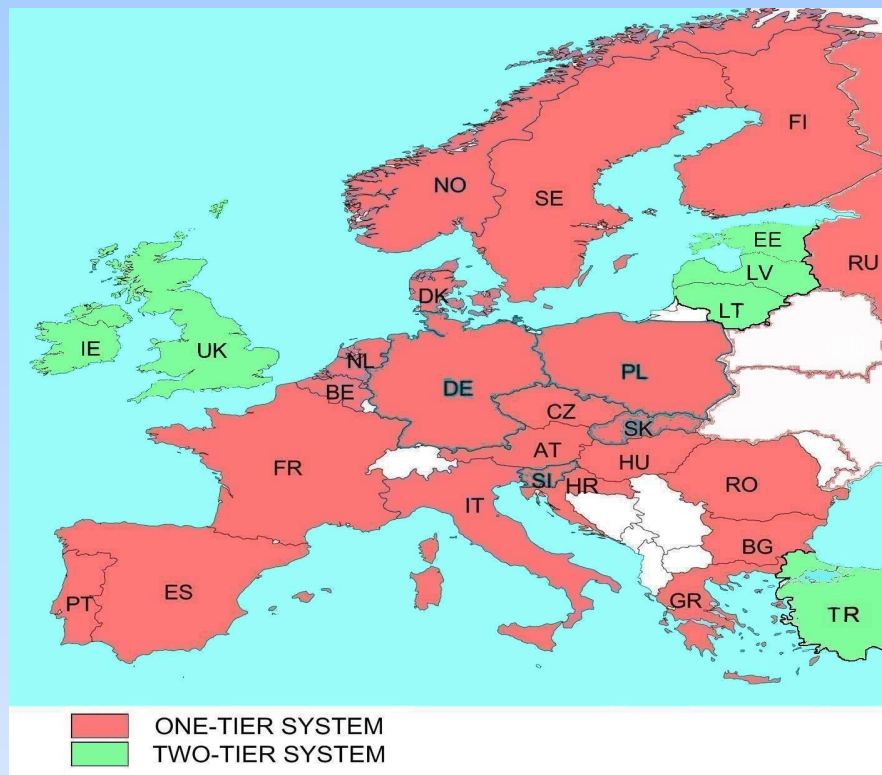
Similar Objections (continued)

- Estonia
- Latvia
- Russia

- **Students:** Greece, Spain, Italy, Finland, Croatia, Germany, Austria

European civil engineering education systems

(EUCEET Volumes 2004, 2010)



Elsewhere in the World

Country (countries)	Study length
China	4-6 years
India	4 years
Japan	5 years
Latin America	4 or 6 years
Pakistan	4 years

Conclusions

- European wide considerable concern over the application of the Bologna Declaration
- Call upon the EUCEET to champion the cause for civil engineering education by positively backing the integrated system
- EUCEET and other engineering bodies should help return the profession to its former position of public esteem