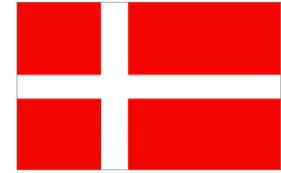


Internship in Denmark



Yuri Saito

$$P(i|V) = \frac{\partial \ln G(eV)}{\partial V_i} \int_a^b \epsilon \Theta^{\sqrt{17}} + \Omega \int \delta e^{i\pi} = \infty = \{2.7182818284\} \chi^2 \Sigma !$$

Contents

- About Denmark
- My background
- About DTU
(Technical university of Denmark)
- My life in DTU
- About class
- Travel
- Culture difference
- My grow up points



Denmark



Denmark: country

- Mainly consist of 4 big islands
- 5.7 million (Tokyo:13.5 million)
- Danish/English
- Part of northern Europe



Denmark: life

- Everything is expensive!! (300~350yen)
- Denmark krone (1DKK=16 yen)
- Bicycle friendly country
- Bus is useful



Denmark: Danish

- **Love party!!**(night bus)
- People feel happy the most in the world
- Friendly (adopted child, party)
- Freedom (food, transportation, etc.)
- Like sunshine ☐



Denmark: famous sight seeing spot

- The birthplace of LEGO
- Andersen's home country (Mermaid)
- Kronborg castle is the place of Hamlet
- Open sandwich



People like Bicycle



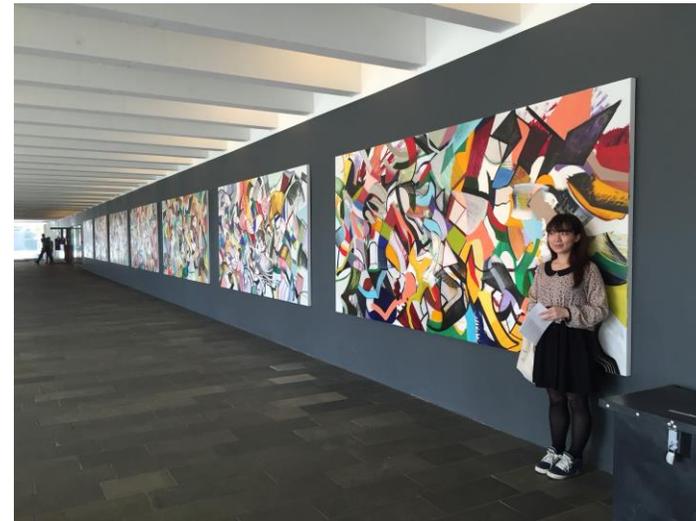
My background

- 4th year student of bachelor (IDE)
- Live with my family more than 20 years
- Interested in improving infrastructure in developing country (Water and transportation)
- Poor at English, never used English except English class of titech
- Foreign travel; only south Korea for 3 days
- **I decided to study in Denmark 1 month before final deadline**



Why Denmark?

- Denmark have already achieved millennium goals of GNI part. (only 5 country)
- Compared Japan, the quality of Danish development assistance is better
- Copenhagen was environmental capital in EU
- Northern Europe environmental study is prosperous in the world, especially DTU environmental engineering is quite good!
- All Danish can speak English very well

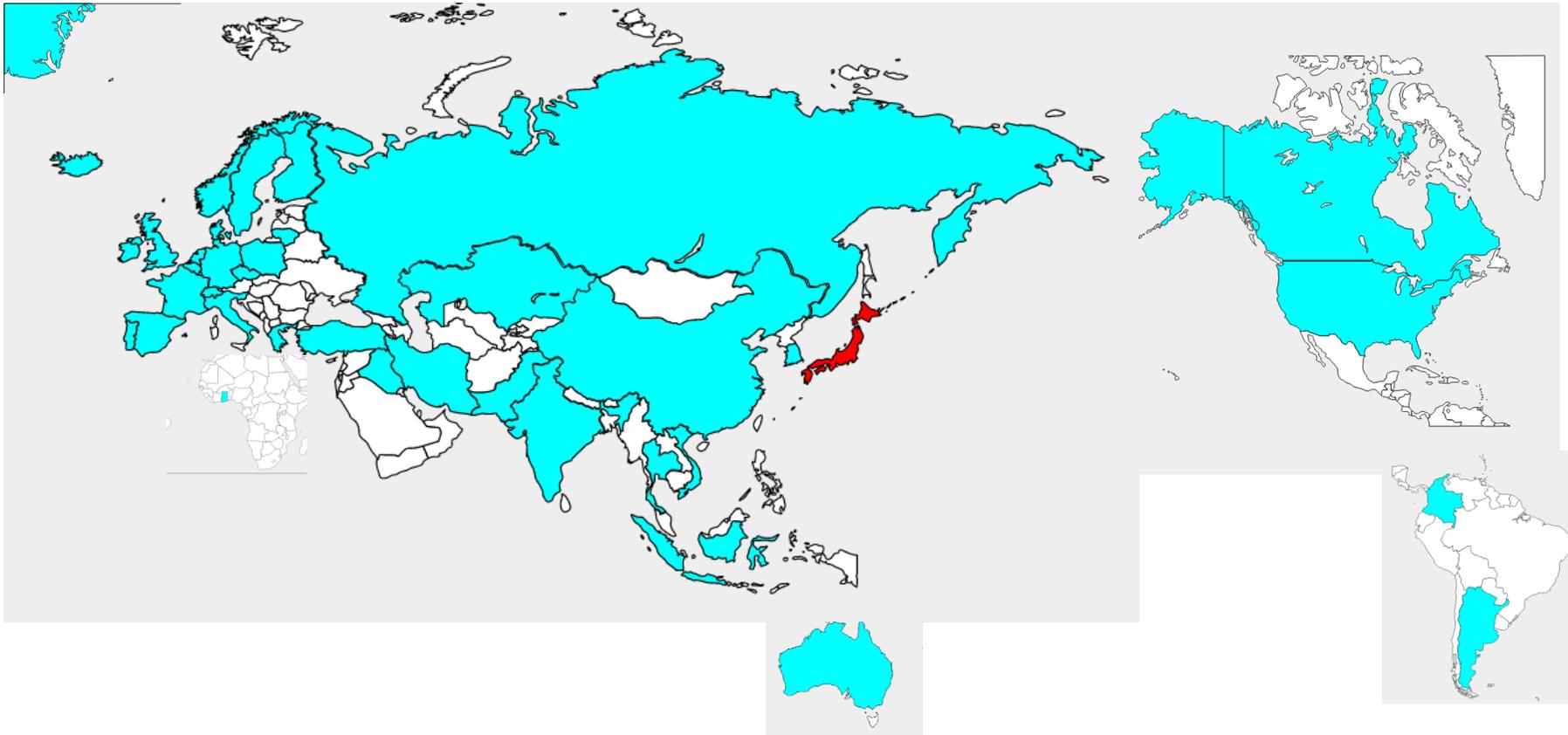


DTU(Technical university of Denmark)

- Technical University
- Many foreign students(70%)
- Wide age range people
- Take 30 minute by bus from Copenhagen
- Five party halls



So many kinds of people



Accommodation



Class schedule

	Mon	Tue	Wed	Thu	Fri
8:00	Water supply	Contaminated site	Planning theory		
12:00	Lunch break				
13:00			Green logistics	Water supply	Contaminated site
17:00					

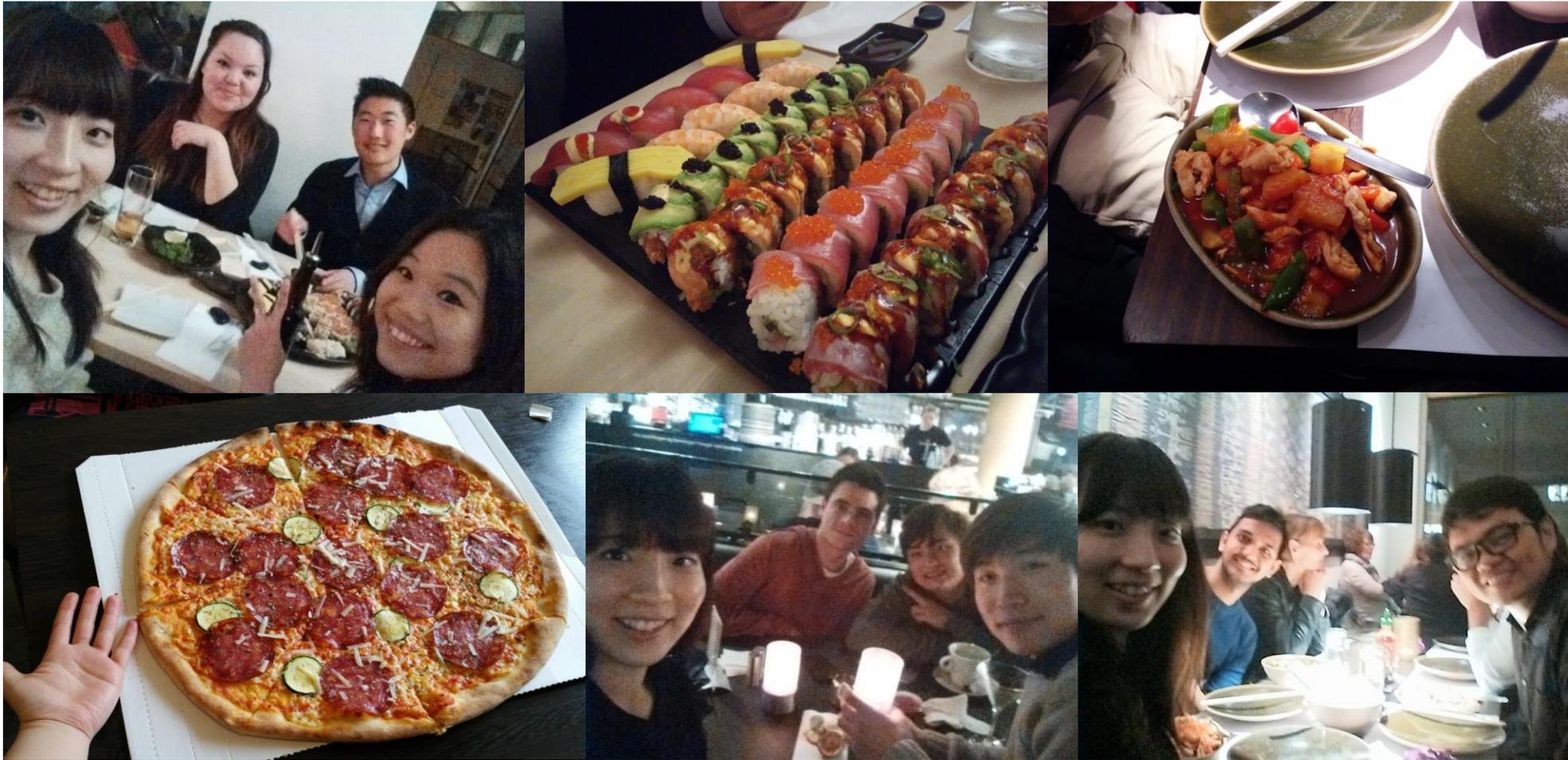
Party



Food party



Food outside



Travel in Denmark



Dance club: Bachata



- Bachata is Latin dance
- Practice once a week after class
- Beginner/Intermediate
- Food party
- People except DTU student
- So interesting 😊



DTU class activity

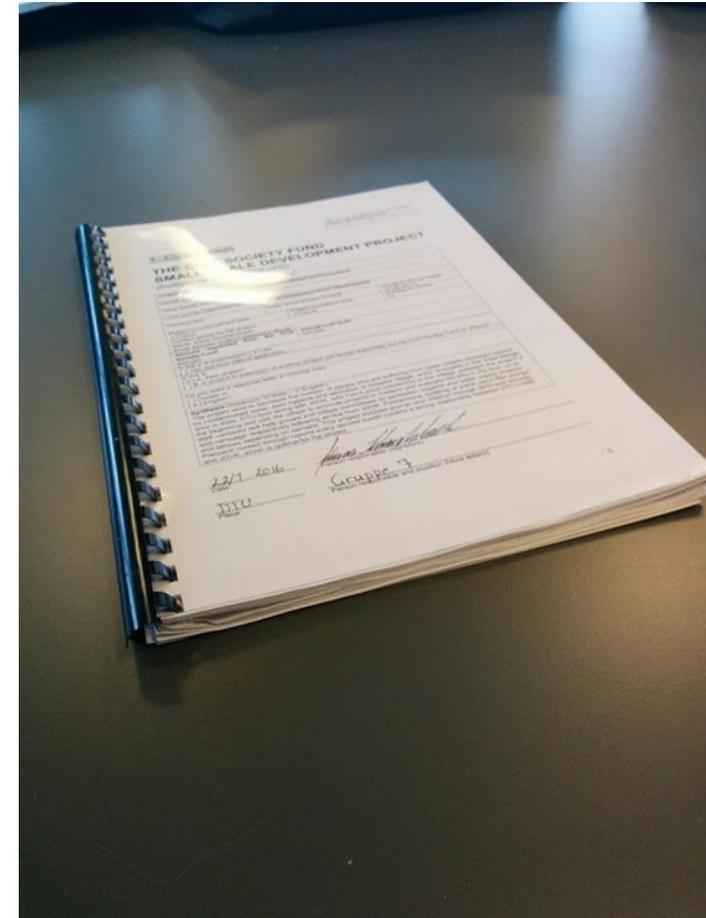
- Christmas party during class
- Teacher make song for one class
- Indian & African food party
- Excursion(water supply center & Contaminated site research institute)



Classes I took

- Environmental engineering class
 - Air pollution
 - Resource engineering
 - Global engineering management
 - Water supply
 - Contaminated site
 - Environmental engineering in developing country
- Transportation class
 - Planning theory
 - Green logistics

Every class have Group work!



1. Global engineering management

- Not only class lecture but also online lecture
- Many kinds of people(Department, country etc.)
- One big report
 - “Sustainability assessment of the ‘Sustainability Implement plan’ in Ontario Canada” (40pages)
 - “Investigation into Climate Change Adaption in Developing Countries; Focus on Southeast Asia”



2. Environmental engineering in developing country

- 3 weeks course
- Research about one poor area, select more suitable latrine, consider about workshop, and write project application for DANIDA (JICA)

SMALL-SCALE DEVELOPMENT PROJECT
budget up to DKK 500,000)

Project title: Saving Gosaba

Danish applicant organisation: DTU-LAND consist of DTU students

Other Danish partners, if any: +

Local partner organisation(s): JOVK-Jyogopalpur Gram Vikash Kendra

Country(-ies): India, West Bengal Gosaba Country's GNI per capita: 15705 (2014)

Project commencement date: 07/2016 Project completion date: 17/2018 Number of months: 24

Contact person for the project: Adina Schwartzbach
Email address: a134717@student.dtu.dk

Amount requested from the Civil Society Fund: 225,000

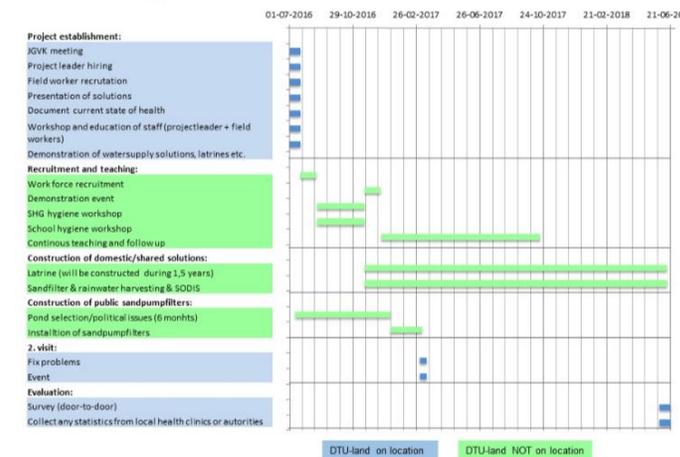
Is this a re-submission? [X] No [] Yes, previous date of application:

Is this a: [X] A. New project? [] B. A project in extension of another project previously supported (by the Civil Society Fund or others)?

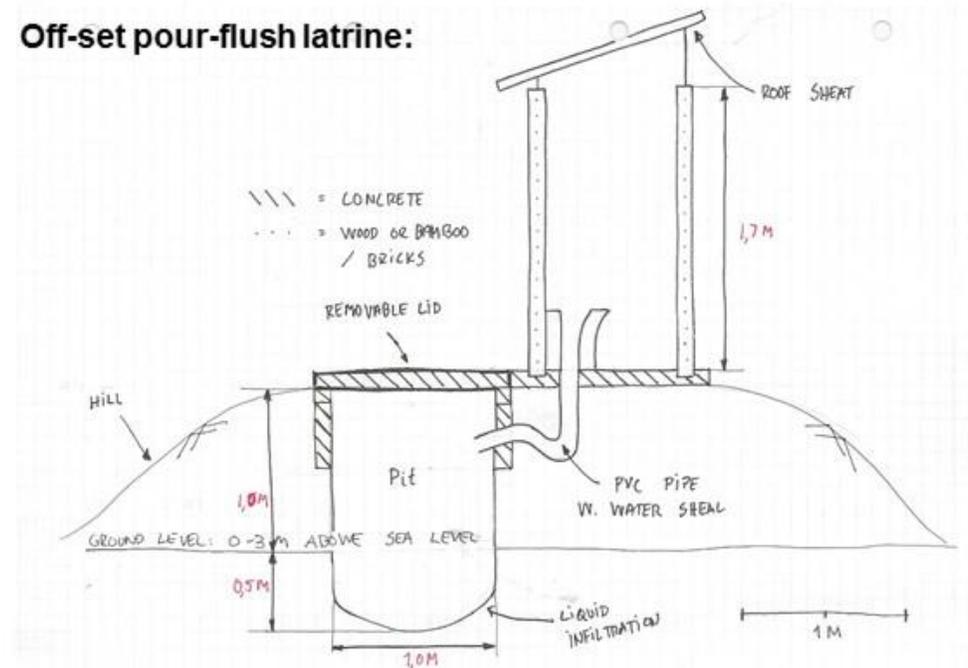
Do you want a response letter in (choose one): [] Danish or [X] English?

Synthesis (maximum 10 lines – in English)
The project aims to decrease the number of people who are suffering from water related diseases caused

Gantt Chart: Saving Gosaba

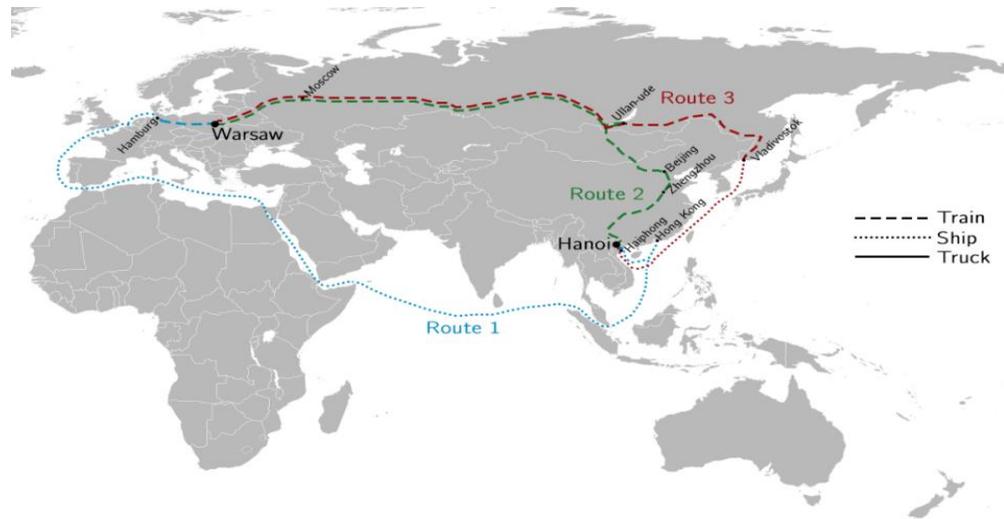


Off-set pour-flush latrine:



3. Green logistics

- 3 reports and weekly lecture
- HW2 “Come up with innovative idea of a transport-related project”
→ Demand responsible night bus, 3 scenarios and cost & environmental analysis
- HW3 “Explore ways to find the ‘best’ way to send cargo from Hanoi, Vietnam, to Warsaw, Poland”
→ set up 6 criteria and compare three ideas to find best way

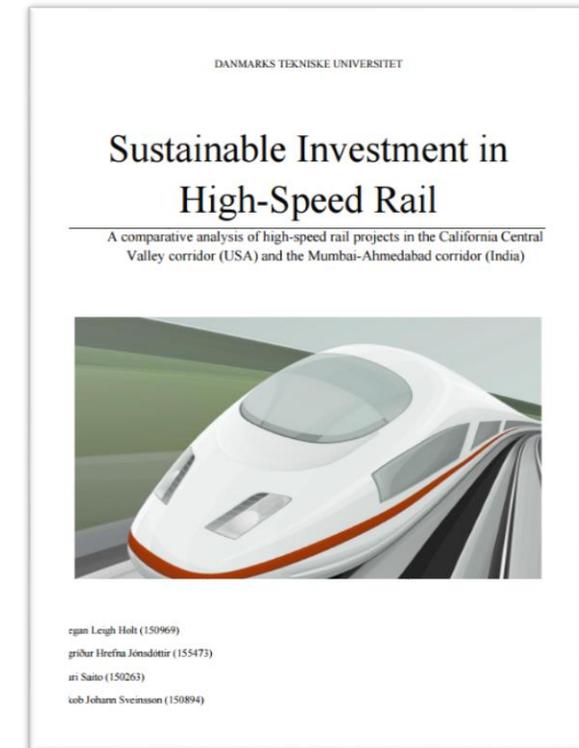
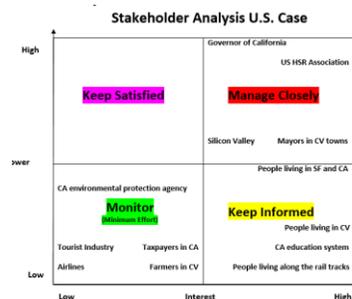


	Total km by bus	Total km by vans	Fuel consumption	Fuel cost	Fuel cost saving
Units	km	km	l/100 km	DKK	%
Base Scenario	5,209	-	32.5	15,218	
Proposed Scenario 1	-	7,286	7.5	4,912	68
Proposed Scenario 2	-	12,857	7.5	8,669	43
Proposed Scenario 3	-	16,429	7.5	11,077	27

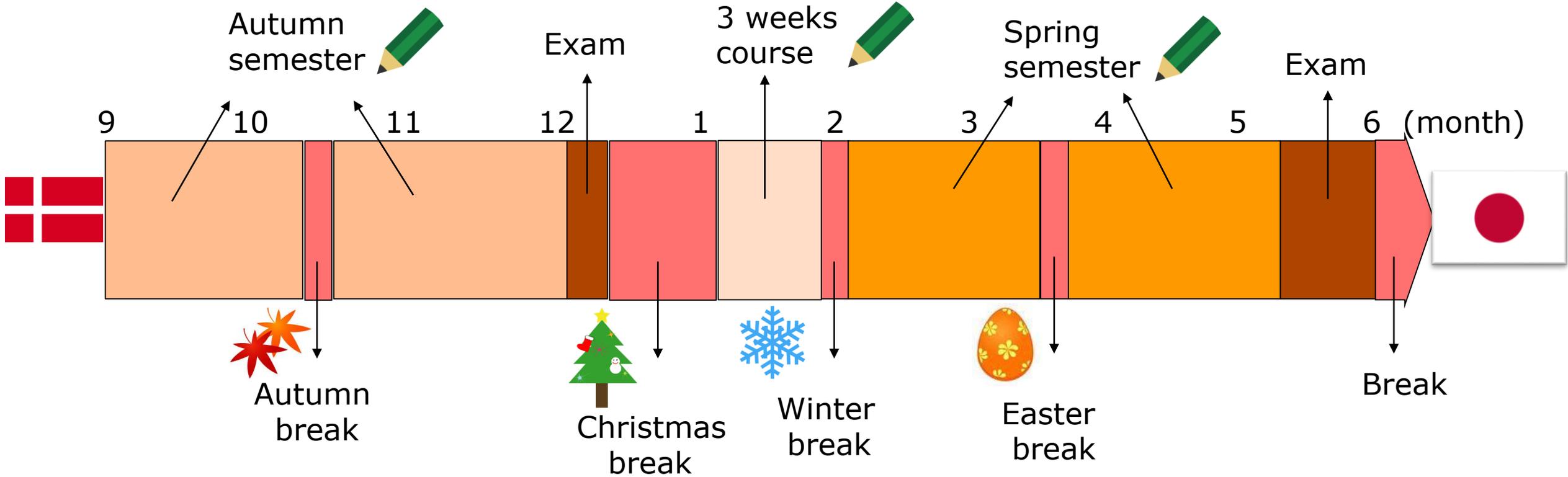
Figure 1 Three chosen routes from Hanoi to Warsaw to investigate

4. Planning theory

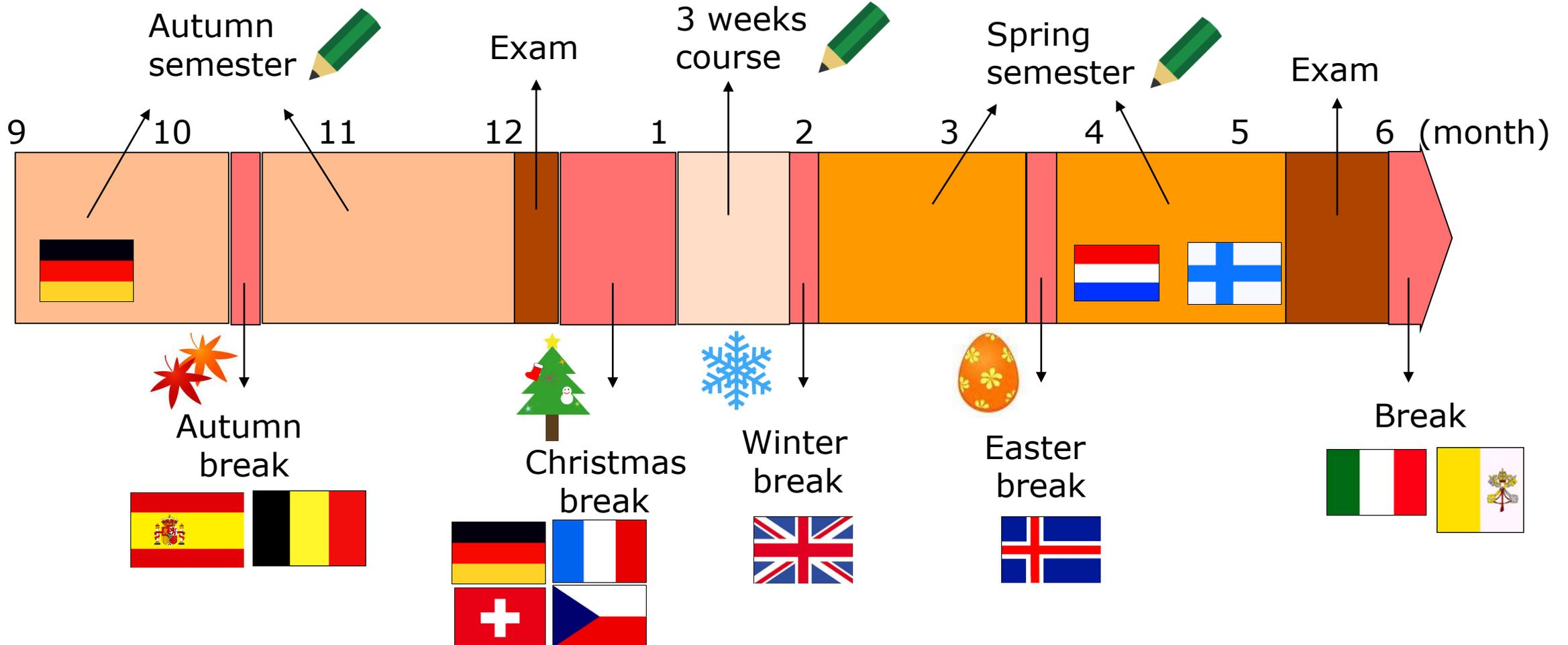
- 1 big report
- “How to deal with complex problem related to high speed rail”
→ ‘Compare the HSR project in US and India’
- AHP, SWOT, Stakeholder analysis and brain storming



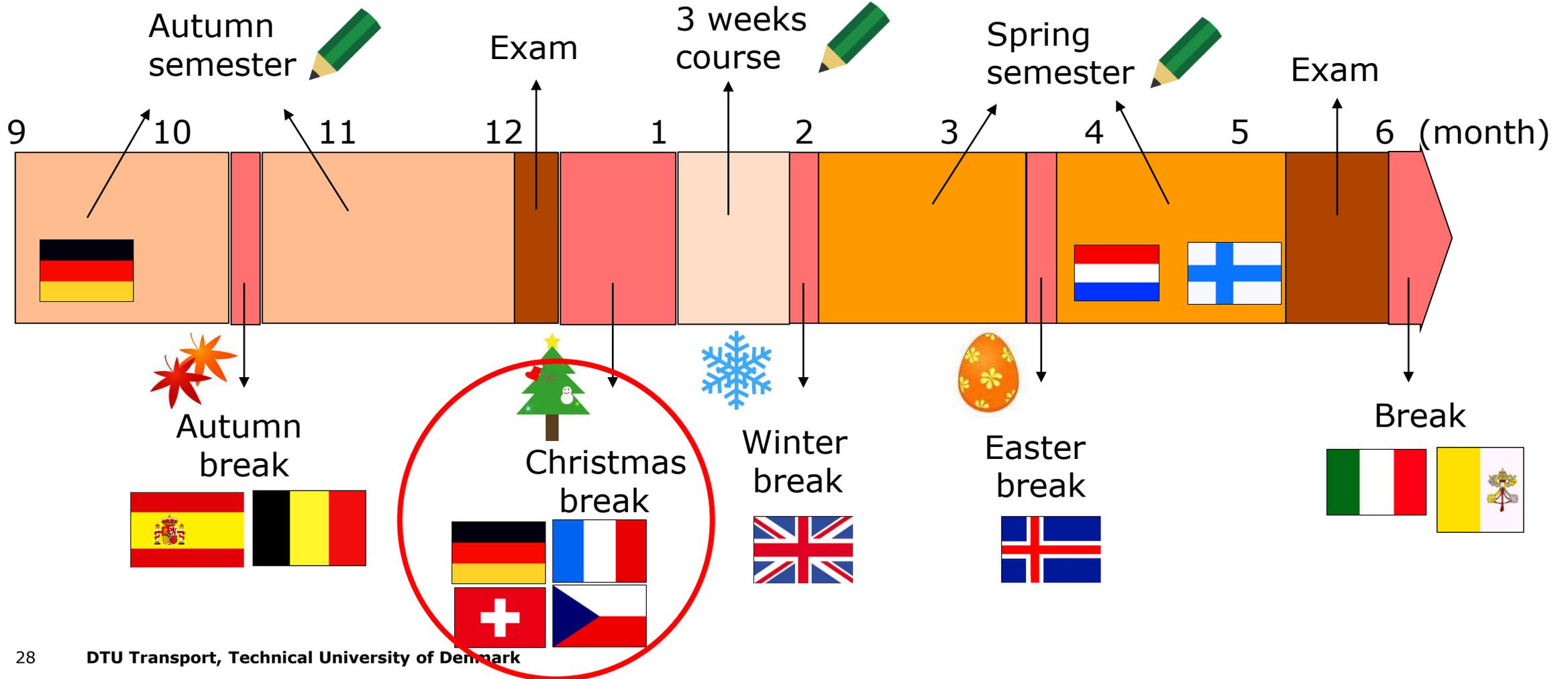
Travel



Travel

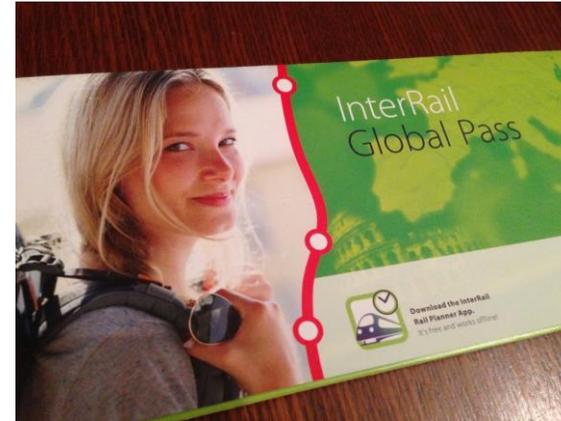


Travel



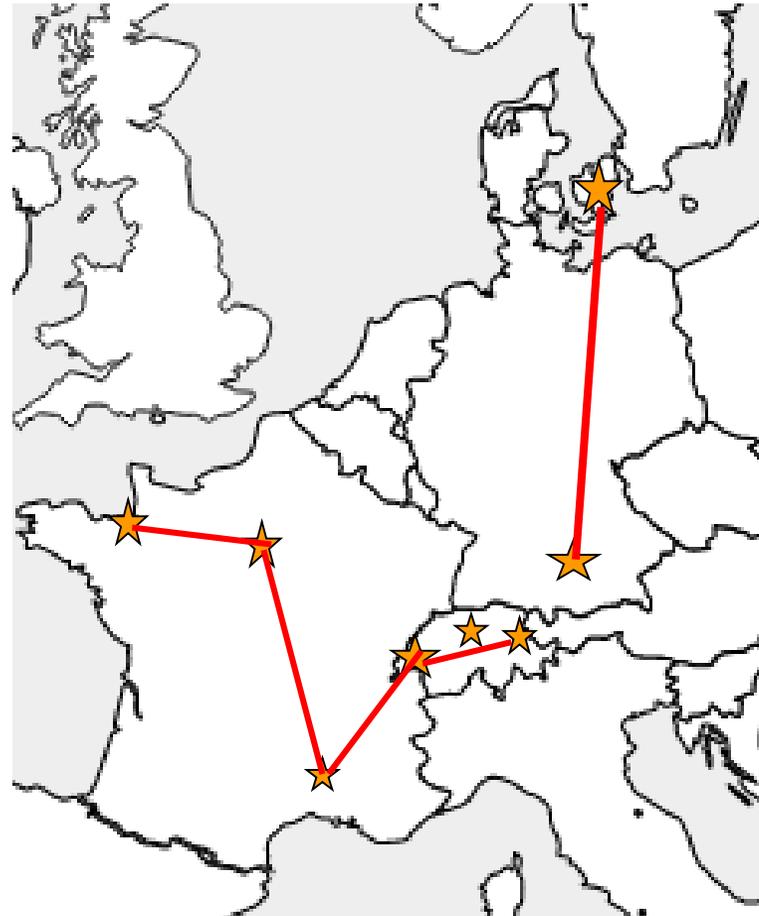
Travel by Train

- Interrail pass(Global pass)
- Valid for 14 days among 1 month
- 12/10~12/24(12 days)
12/30~1/2 (2days)
- About 37000 yen



Denmark-Germany-Switzerland-France

TGV(France)



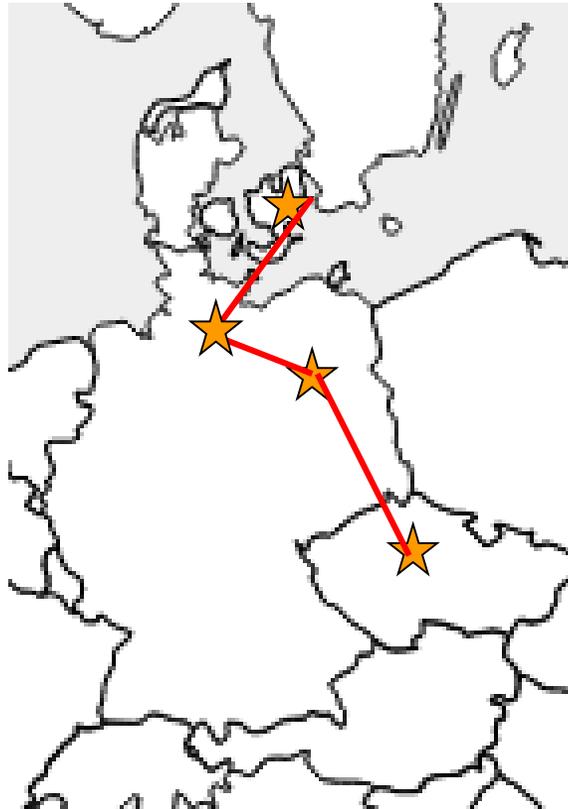
DB(Germany)



IR(Switzerland)



Denmark-Czech public



DB-ICE(Intercity Express)



DB-EU(Euro City)



Iceland



Culture difference

- Many group work!
- The distance between teacher and students is small
- Eat food in class
- High concentration & efficiency
- Do not wash face & do not dry hair etc.
- Friendly everywhere (Super market, party)



Grow up points

- Get specific knowledge
- Know many kinds of people & world
- Not afraid of English
- Became strong!!



Thank you for listening

