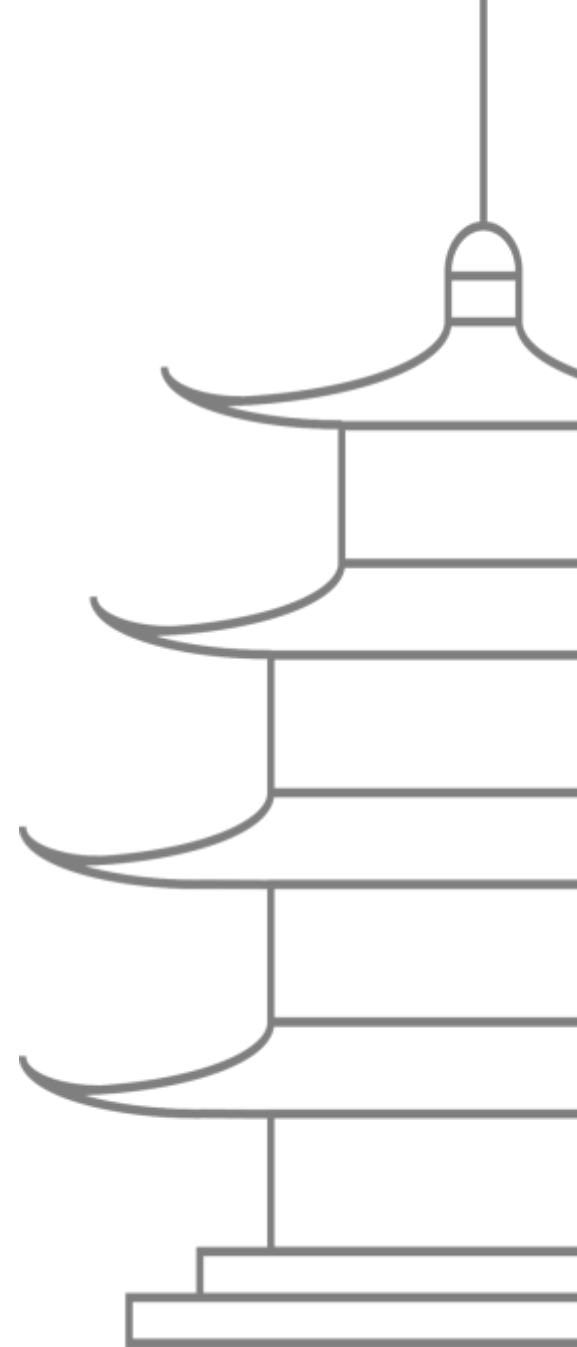




Denryu study tour info meeting

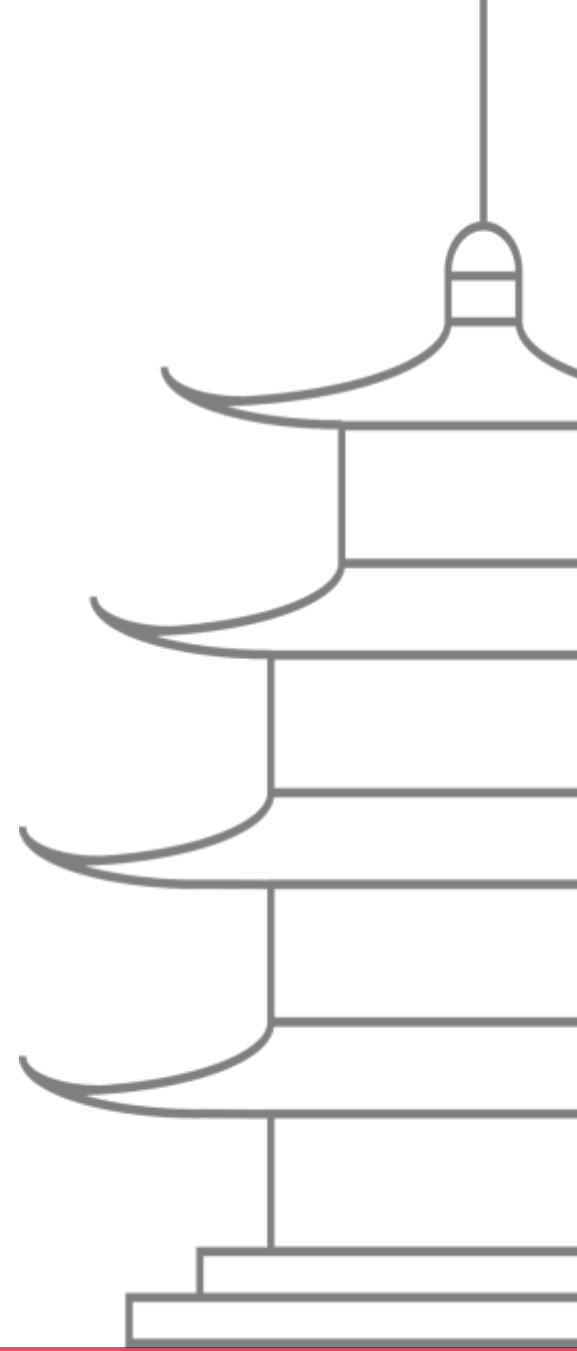
Denryu study tour committee





Today's menu

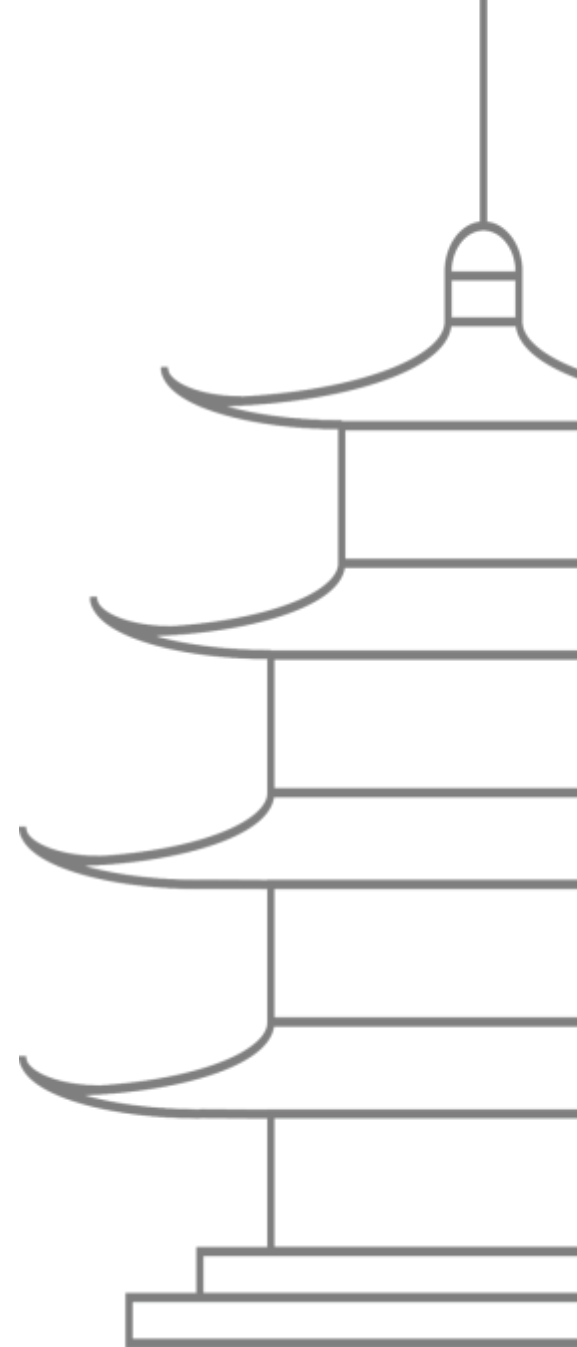
- General information
- Who can participate?
- Financial business
- Tour planning
- COVID-19
- Signing up and further planning
- Questions





General information

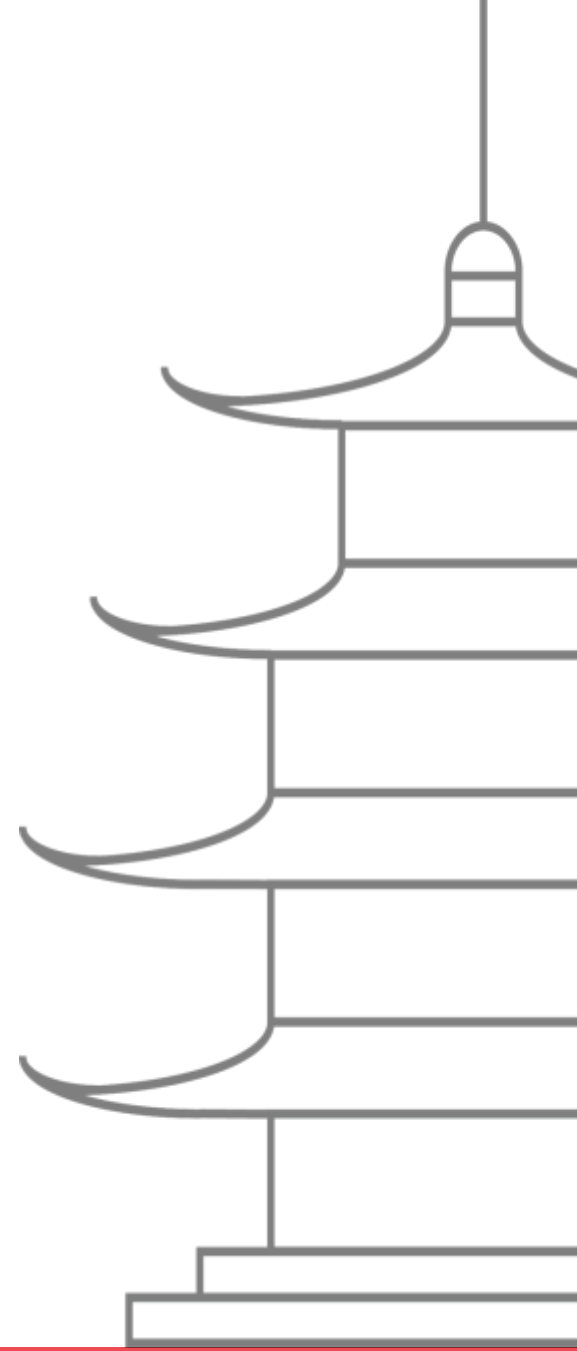
- **First 4 weeks of the summer holidays**
 - Monday 11-07-2022 until Monday 08-08-2022
- **Interim period exams**
 - 15-08-2022 until 20-08-2022
- **Goal**
 - Get an insight in Japanese education and high-tech industry
 - Getting acquainted with Japanese culture
- **How?**
 - Company and university visits
 - Several cultural excursions
 - A number of days of free time





Who can participate?

- **32 participants**
 - 2 staff members
 - 8 committee members
 - 22 positions left
- **At least in your second year and positive BSA**
- **If (when) there are more than 22 registrations:**
 - Raffle: Tuesday 18-01-2022 from 12:40-13:20
 - People who have not yet participated earlier in a ReisCo study tour are privileged in the raffle





Financial business – case study

- Assignment of the department of EE or a company
- 140 hours of work
- ECTS might be possible, depending on the case
- Will be done in Q3 or Q4
- If not enough cases: raffle order determines case priority
- Currently available: 7 at the department, 6 at companies
- Two company cases on AI in robotics and agriculture
 - Student interested in embedded systems (NVIDIA Xavier)
 - Student interested in vision and depth cameras
 - Criteria and more info at the end, stay tuned!



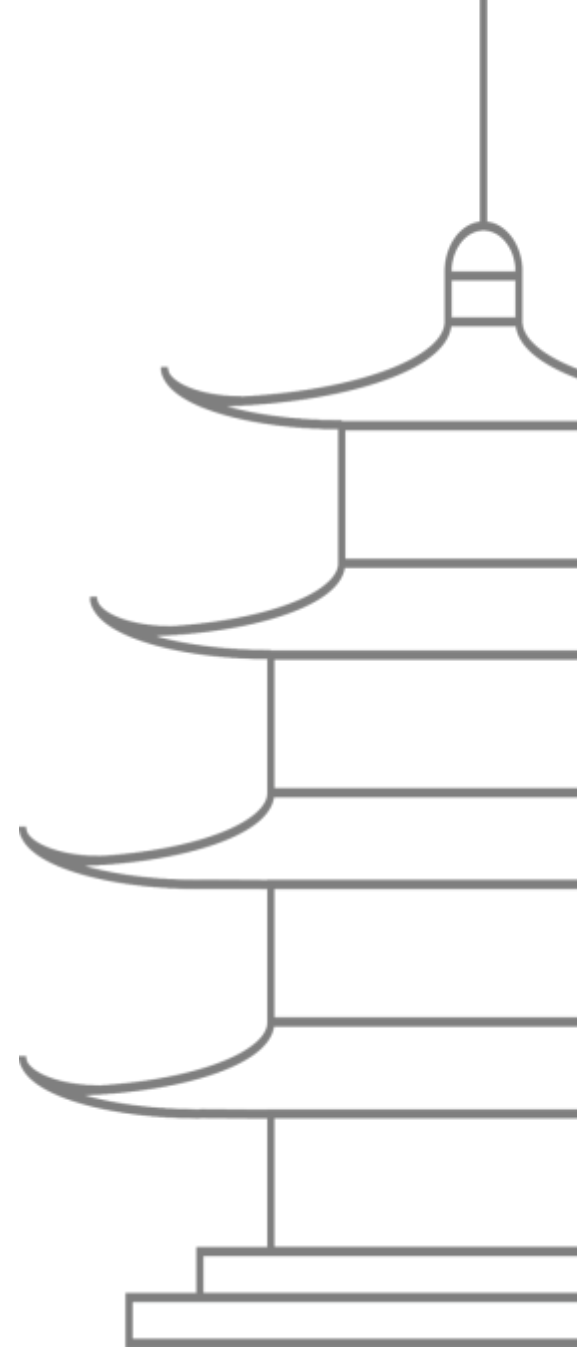
VBTI





Financial business – costs

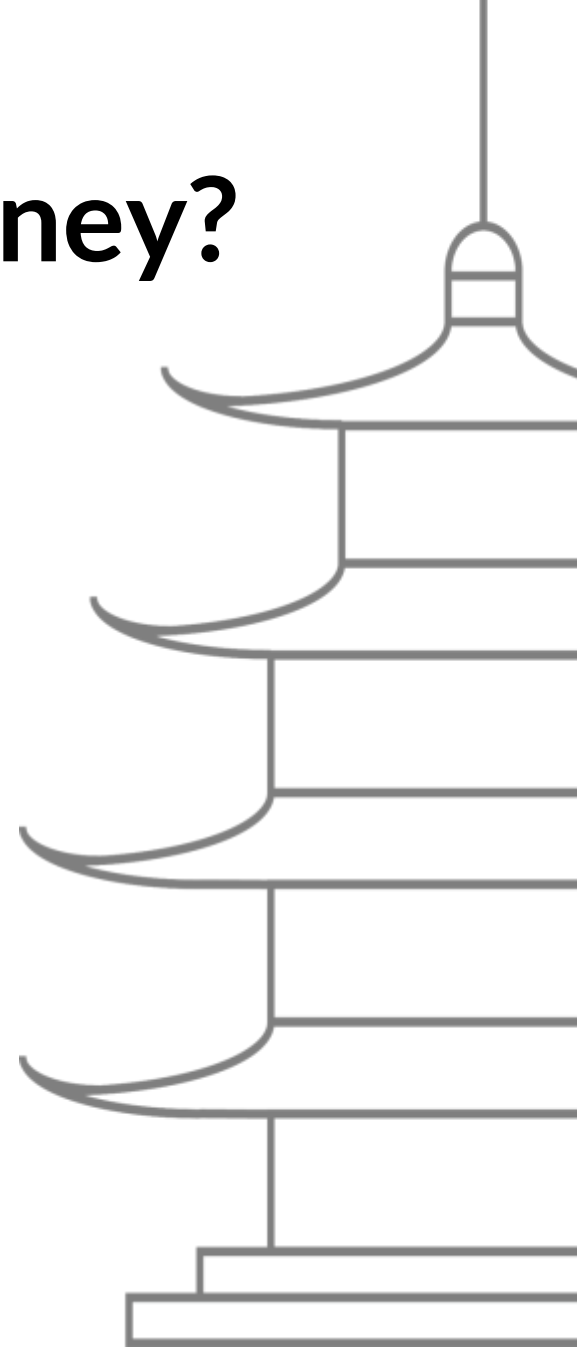
- **Participation fee**
 - Ask the committee
- **Financial buffer: €100.-**
- **Deposit good behavior: €100.-**
- **Own expenses: drinks, souvenirs, etc.**
- **Payment deadlines**
 - 14-03-2022: (ask the committee for more information)
 - 01-05-2022: (ask the committee for more information)
 - 01-07-2022: (ask the committee for more information)





What do you get for this money?

- **Flights to and from Japan**
- **Transport between cities**
- **Entrance and transport to technical and cultural excursions**
- **Overnight stays for about four weeks**
- **Breakfast and most of the lunches and dinners**





Tour planning

- Osaka
- Kobe
- Fukuoka
- Kyoto
- Nagoya
- Tokyo
- Yokohama
- Nikko





Osaka



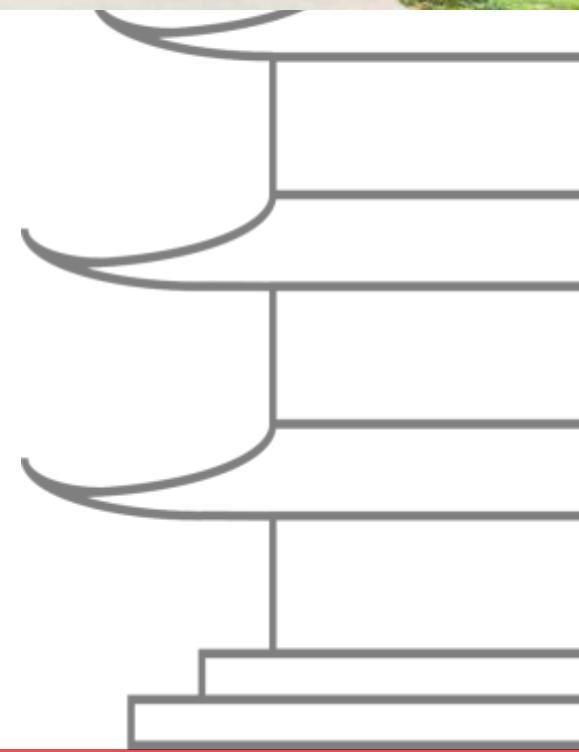


Kobe



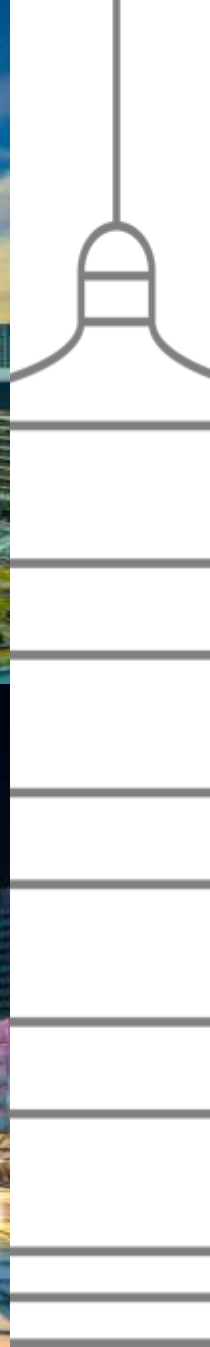


Fukuoka





Nagoya





Tokyo





Nikko

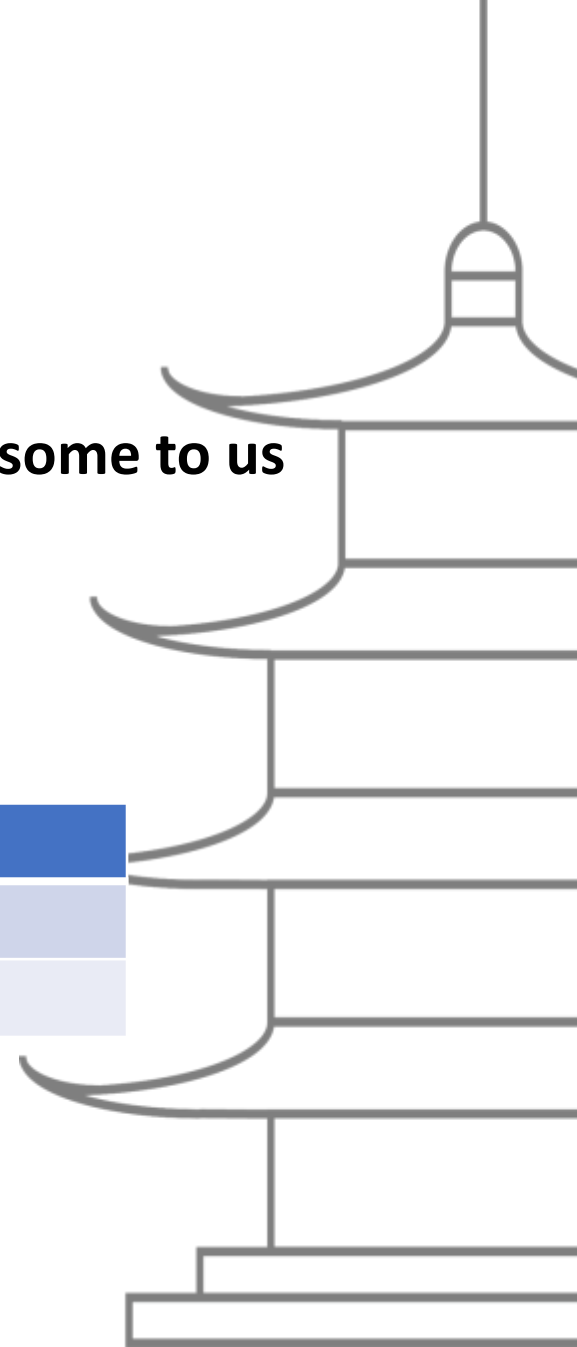




COVID-19

- Number of infections is currently rising, but does not seem worrisome to us
- Currently a travel ban
- Quarantine regulations for then not sure yet
- Vaccination rates

	Fully vaccinated	Partially vaccinated	Total
Japan	77.87%	1.54%	79.41%
Netherlands	74.37%	2.93%	77.30%



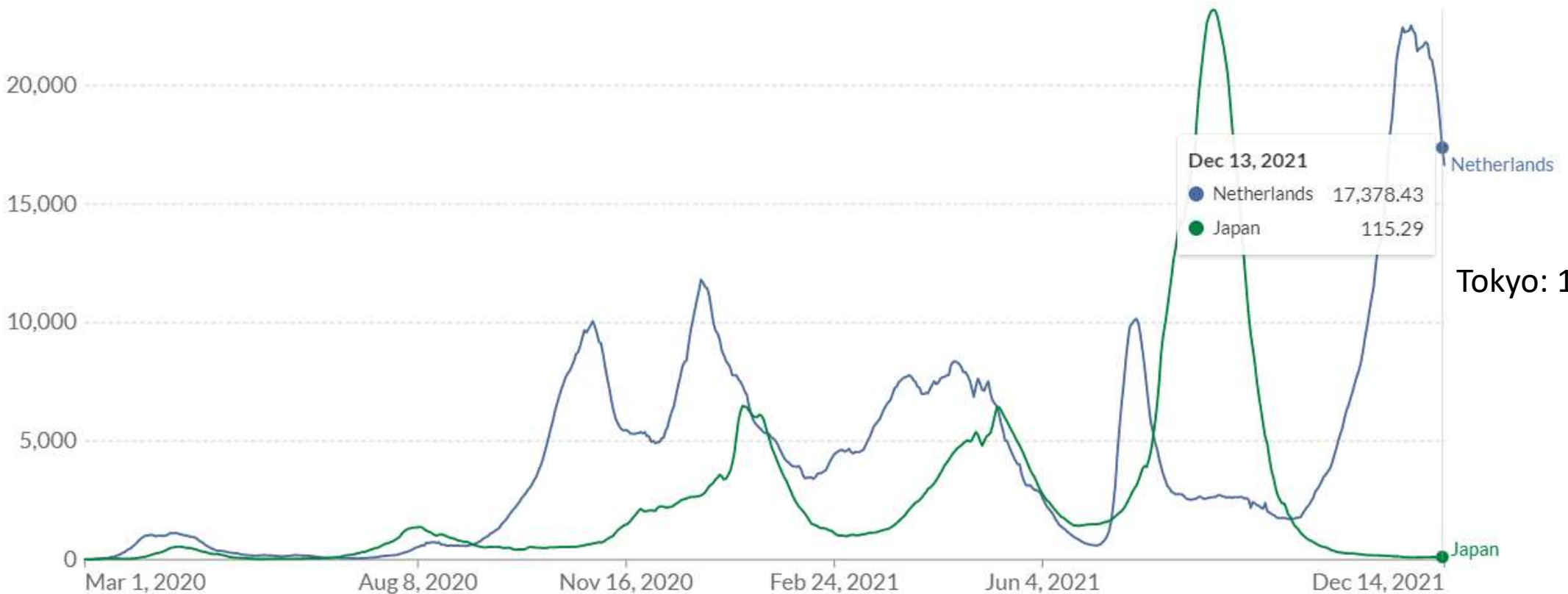


COVID-19 – total infections

Daily new confirmed COVID-19 cases

7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.

LINEAR LOG



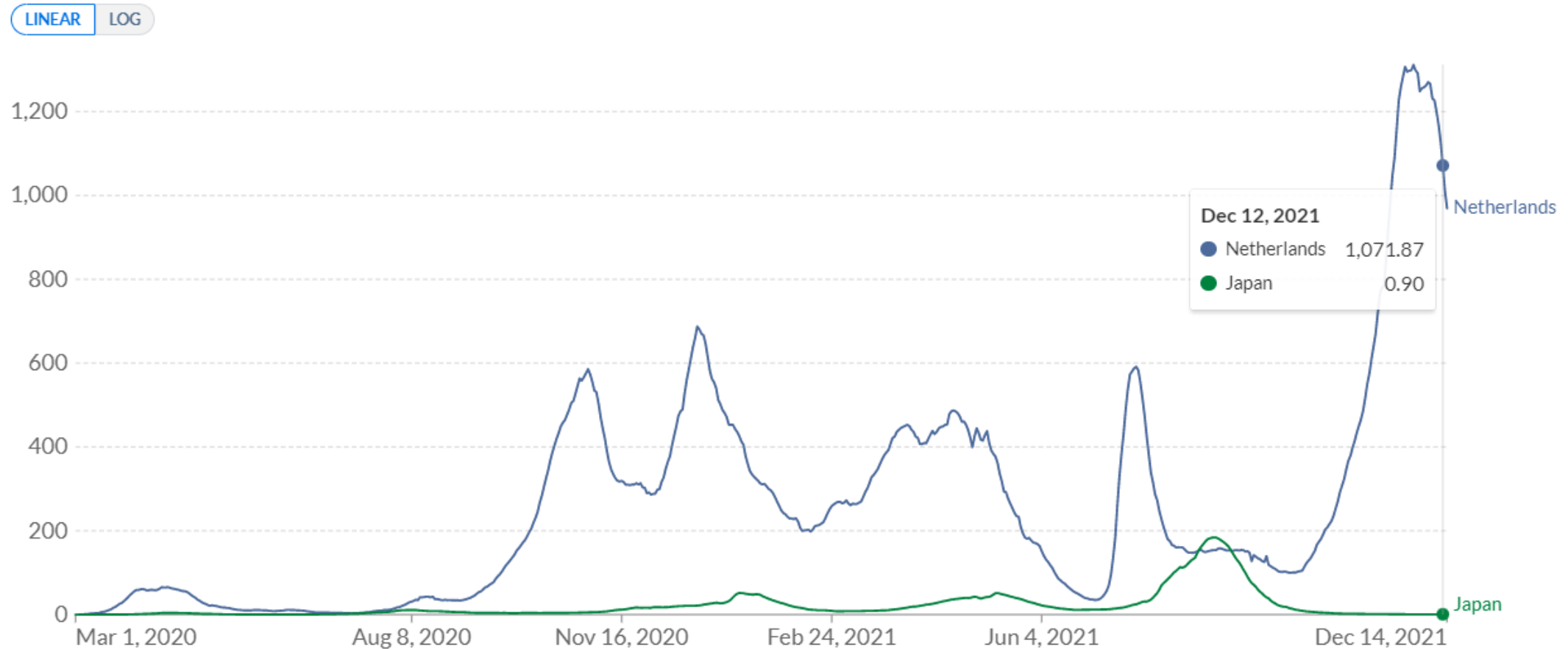


COVID-19 – infections per million

Daily new confirmed COVID-19 cases per million people

7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.

Our World
in Data





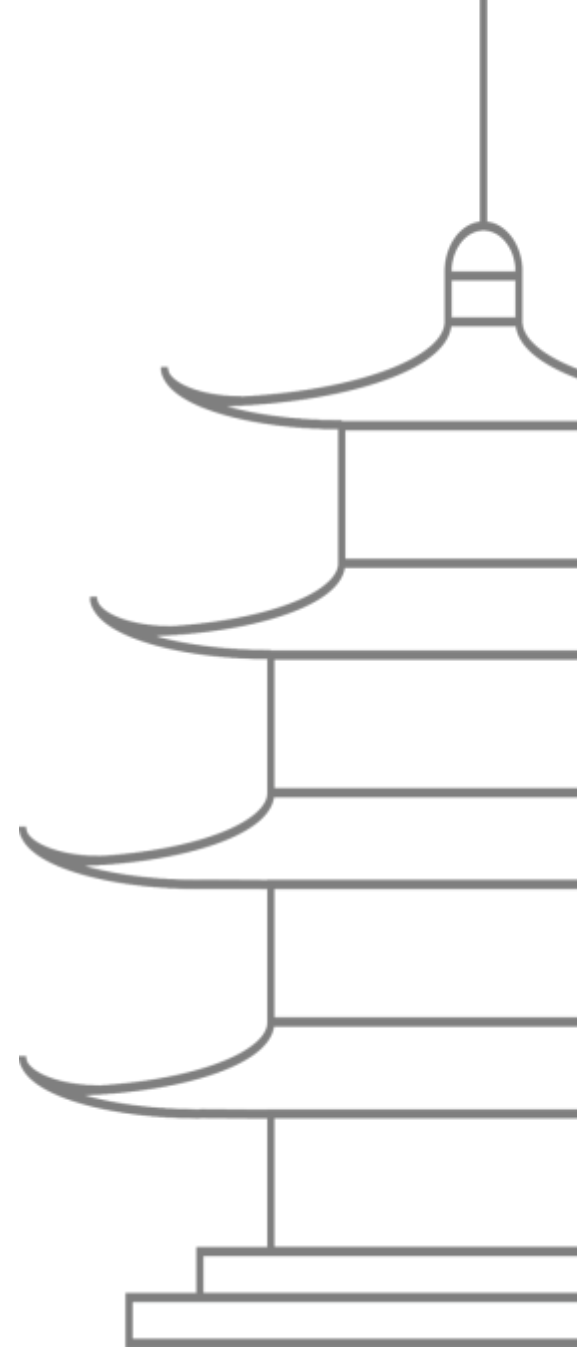
COVID-19 – vaccinations

Approved vaccines for travel (at least 2 doses)

- Pfizer
- Moderna
- AstraZeneca

Vaccines in trial

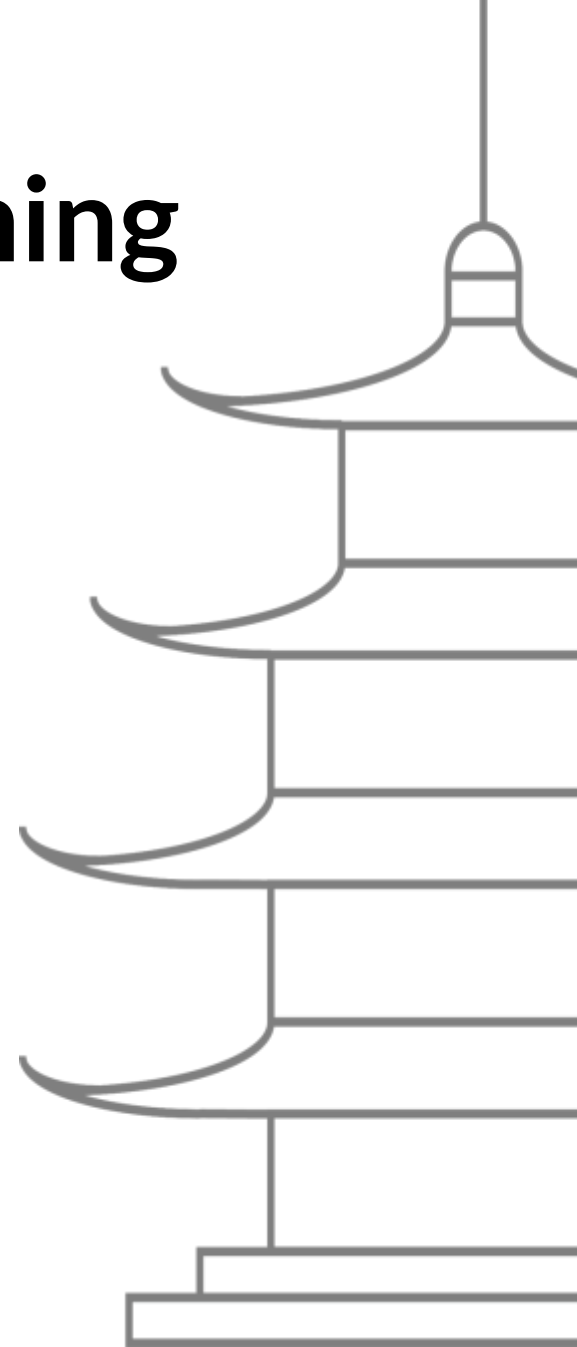
- Janssen (J&J)
 - Trial seems for vaccinating own citizens, not sure for future travel
 - Phase 1? (study completion at 16-11-2021)





Signing up and further planning

- **Registrations open Wednesday 22-12-2021 on the [Thor site](#)**
 - Preference for doing case study
 - Study progress
- **Subscription deadline is Monday 17-01-2022 23:59**
- **Raffle is Tuesday 18-01-2022 12:40-13:20, location TBD**
 - Time of registration, ECTS, and preference for case study do not influence the raffle
- **Participation contract signed before Friday 28-01-2022 13:30**





Special cases at VBTI on AI for agricultural robotics



#1: Compare (RGB)-D cam. techniques

Case: compare active and passive RGB-D cameras on D-map accuracy in environmental settings (e.g. sunlight), motivate best camera for our use case

Profile: Python pre-knowledge and vision and signal processing affinity, interest in working with different camera setups (ToF, stereo, LiDAR)

#2: RGB-D algorithms on NVIDIA Jetson

Case: compile CNN based RGB-D algorithms for NVIDIA Jetson, optimize models and report performance metrics, motivate trade-offs made

Profile: Python and Linux ARM pre-knowledge and neural networks affinity, interest in working with edge AI platforms (NVIDIA Jetson)

See www.vbti.nl for more info about our company, and this [video](#) for a demo of our algorithms



Questions?

- Ask one of us when you see us around
- Email:
 - reisco@thor.edu
 - denryu@thor.edu
 - pokemon@thor.edu
- Website: denryu.thor.edu



From left to right: Roel, Gerbrand, the amazing Jos the Great, Bram, Quinten, Lars, Jasper, and Niels