

Agenda



- 1. Opening (Peter) 5`
- 2. Japan in a nutshell (Sonoko & Charlotte) 15`
- 3. The Osaka Expo and the program AI & Data sharing/PETs (Tijs & Sonoko) 15'
- 4. How to join the delegation (Charlotte) 5`
- 5. Q&A (Peter) 15`



Today's purpose: to check your interest, to finetune the mission, and to inform you how to join

We would like to know:

- What are the **elements that are interesting** for you?
- How would the program be even more appealing to you?

And we will tell you:

How to make sure that you will not miss this opportunity.





Japan and The Netherlands differ in many aspects

2022	Japan	The Netherlands		
Population	124 million	18 million		
GDP	\$5 trillion	\$1trillion		
Exports	22%	94%		
Imports	25%	93%		
Industry	29%	19%		
Services	70%	79%		
R&D (% of GDP)	3.5%	2.3%		







...but share multiple societal challenges

Ageing society



Lack of labor force



Carbon emissions



Fiercer natural disasters



Energy shortage



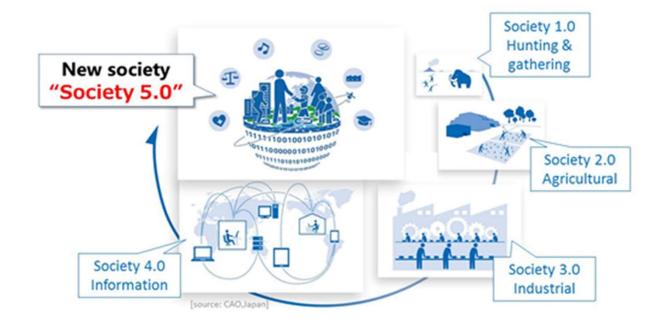




Society 5.0 is JP's vision how societal challenges are going to be solved

Society 5.0

- Resolution for societal challenges
- Promotion of economic growth
- Integration of cyber & physical space
- Personalised, proactive/on demand information, service and goods
- IoT, big data, AI, 6G are prominent





For the transition to Society 5.0, technology plays a prominent role



Priority areas for the JP government

- Digital transformation
- Sustainability
- Security, safety & resilience

Areas of focus and investment

- Semiconductors
- Quantum Photonics Nano
- IoT Big Data AI 6G Robotics
- Startups & Scale-ups
- Open innovation





Data sharing is key for societal, economical, environmental, political, and technological advancement



There are multiple societal triggers for data sharing:

- •To realise Society 5.0 with the transformation on which it relies
 - DX
 - **GX**
- •To intensify international collaborations with like-minded countries
 - For geopolitics (Data Free Flow with Trust)
 - International trade
 - Supply chain reliability
 - Technology standardisation
- •To lead technological developments and R&D e.g.
 - AI, JPLLM
 - Pharma & health



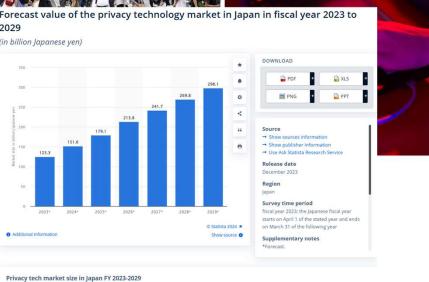
Japan has a need for PETs

- Tension between ambition with more data utilization and increasing risks of privacy violation.
 - Ambition with more data utilization:
 Privacy Enhancing Technologies for Society 5.0
 - Risks: Past privacy incidents in Japan
- Japan can not stay behind
 - Topic during WEF and G7
- Japan works on protecting privacy using legislation.
 - The Act on the Protection of Personal Information (APPI)









Japan: privacy tech market size 2029 | Statista



11/20/2024



Japanese firms and research institutes have multiple initiatives on data sharing and PETs

Examples of organisations	Description	Usage (application, what sector, how, when)			
NTT Data	Secure computingData spaces	Healthcare: Observational studyFinance: Demand forecastingAutomotive: BOM			
NEDO	- Data spaces (Ouranos)	• Energy			
NEC	 Data security: Lightweight authenticated encryption, Secure Computing, Private Biometric Authentication Al security: Privacy-preserving Federated Learning 	 Healthcare: Genomic analysis Finance: AML judgement Manufacturing: Failure risk diagnosis 			
Eaglys	- Secure computing (Homomorphic encryption, TEE, Federated learning, quantum safe cryptography) + AI	 Healthcare: Personalised medicine Finance: Fraud detection Logistics: Robotised distribution center optimization 			
Fujitsu	- Confidential computing (Fujitsu-MONAKA)				



Summary: There are various opportunities in JP for collaboration



Focus on data is an important building block for Society 5.0 vision

- Development of Data Spaces for...
 - Health, Smart Industry, Automotive
 - Including DATA-EX (IDSA / GAIA-X) and Ouranos (Cross Border Data Sharing)
- Data Free Flow with Trust > MoU on Digital Identities and Trust services signed by Commissioner Breton and Minister Kono
- Digital Product Passports

Japan has an excellent digital infrastructure for data and AI innovation:

- Development Large Language Models > GPT JPN
- Collaboration Super Computer 'Fugaku' > Riken Center for Computational Science & Fujitsu (HPC)
- Collaboration Al Act, Japan Al Safety Institute (AISI)

Japan's participation in Horizon Europe and future innovation collaboration





The Expo 2025 in Osaka is a good door opener for business

- When
 13 April 2025 13 October 2025
 (183 days)
- Venue
 Yumeshima, Osaka
- Participating Countries
 160 countries/regions and 9
 international organizations
- Projected Visitors
 - o Total: Approximately 28.2 million
 - o Daily: 154.000
 - Expected that visitors will mainly be Japanese or from the East-Asian region (90%)!





NL will focus on five themes where Common Ground can be found with Japan



There are five themes that are important to Netherlands that will be highlighted during the Osaka Expo, and collaboration is actively sought for these themes:

2. Agrifood & Horticulture	2-13 Jun & 30 Aug-6 Sep
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3. Life Science and Health 23-27 Jun

4. Energy transition 14-25 Sep

5. Culture 13 Apr-13 Oct





The Netherlands (NL) is joining the Osaka Expo 2025, with the participation theme of *Common Ground*

Common Ground refers to the Netherlands history, culture and the way the Netherlands works together with Japan.

On common ground, we can develop far-reaching breakthrough solutions. Future resilience depends on **our joining forces** and **combining expertise** now.

Our pavilion is an open meeting space where we can discover new ideas, empower collaborations and share our energy, to **innovate together**.





The HTDX topics involve Semicon, Quantum, Photonics, beyond 5G/6G and data sharing

Four delegations cover four different themes

• HT1: Deeptech equipment

HT2: Deeptech application

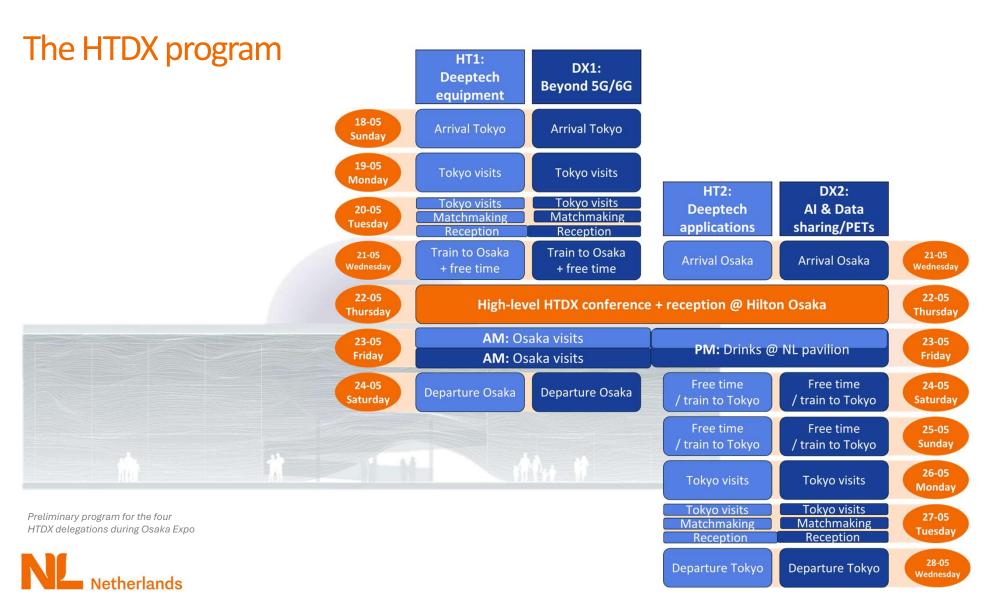
DX1: Beyond 5G/6G

DX2: AI & data sharing/PETs

- Each delegation has max. 25 participants
 - Corporates, SMEs, universities, research institutes, public sector, ministry
 - Executives, business developers, researchers
 - Interest in research & innovation, trade, foreign investment









DX2: Al and Data sharing/PETs



21 May – 28 May

	AM	PM			Evening	Hotel
Tue		Donart from NI				_
20 May		Depart from NL				_
Wed	Arrive in Osaka			Joint bric	ofing dinner	Osaka
21 May	ATTIVE III OSAKA			Joint briefing dinner		Usaka
Thu	High-level HTDX conference			Reception/buffet dinner		Osaka
22 May	High-level HTDX conference			Reception	i/bullet ullillel	Osaka
Fri		2 or 2 visits		Deinka @Davillian		Osaka
23 May	2 or 3 visits Drinks @ Pavillion			USAKA		
Sat	Traval is in the to Tale to (anticonal)		Osaka			
24 May	Free time	Traver jointly to 10	Travel jointly to Tokyo (optional)		USaka	
Sun	From times			Talasa		
25 May	Free time					Tokyo
Mon		2 ou 2 deite		laint din	aar	Talma
26 May	2 or 3 visits		Joint dinner		Tokyo	
Tue	2 visits @ Prince		aking	Reception	Talasa	
27 May			e Hotel	@Residence	Tokyo	
Wed	Donout from Toly o Novito Aires					
28 May	Depart from Tokyo Narita Airpoi	rt				

- Briefing
- Joint dinners
- Conference
- Receptions
- Visits Osaka & Tokyo
- Pavilion
- Matchmaking





DX2 Al and Data sharing/PETs – potential visits



Research inst.	Universities	Government/ Other	Private companies
AIST – Crypto Platform CPSEC	Osaka University	Data Society Association DSA DATA EX	NEC
NEDO	Waseda University	Information-technology Promotion Agency IPA	NTT R&D / NTT Data
RIKEN – AI security & privacy team	Chiba University	Japan Institute for Promotion of Digital Economy and Community JIPDEC	Fujitsu
NICT	University of Tokyo	Al Safety Institute AISI	EAGLYS
NII		Personal Information Protection Commission (PPC)	Zenmu Tech
		Bank of Japan	Hitachi
			SoftBank

Let us know which parties you would like to add to the long list!



All four delegations join the conference of 22 May @Hilton Osaka



1-day conference program

- Pitches by NL participants
- MoU presentation and pictures with NL & JP top-VIPs
- Cross-over sessions
- Innovation Parade exhibits of NL innovations
- Networking reception

	HT 1 Pitches:	HT2 Pitches:	DX1 Pitches:	DX2 Pitches:		
	Semicon, photonics				•	
	& quantum	Quantum	Beyond 5G/6G	The use of PETs for	_	
9:00 ~	equipment,	technology, chip		data sharing		
12:00	component	design and system			•	
	manufacturing and	integration				
	advanced					
	packaging					
12:00 ~	Lunc	h + Dicture mome	ent + Keynote spea	kors		
14:00	Lunc	in i ricture mome	int + Reynote spea	IKCIS		
14:00 ~ 16:30	Session: Cross-over topic 1	Session: Cross-over topic 2	Session: Cross-over topic 3	Session: Cross-over topic 4	lı	
16:30 ~ 18:30	Reception					





Image: Hilton.com

You gain insight that helps in your future plans



- Get insight in the opportunities in JP and match
- Meet and connect with JP counterparts
- Learn from JP practice
- Opportunities to promote your organization to JP organizations & high-level NL executives
- A chance to experience a historical world expo
- Improve ties in the NL ecosystem





Information on joining delegation



- Max. 25 participants per delegation
- **Tailored program** depending on the joining delegates
- We select the delegation to represent the Netherlands in a balanced way (not on a first come, first serve basis)
- Costs
 - We pay the **costs associated with the program** e.g. lunches during the program, transport, conference venue, reception
 - You are responsible for **the other costs** e.g. hotel and flight ticket
- Registration opens soon, intended closing time is end of January, 2025



Timetable



Requirements and responsibilities to join the Osaka Expo 2025 mission:

Oct 2024	Nov 2024	Dec 2024	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025
	1. Register	and fill out in	ntake form				
			2. Receive c	onfirmation			
			3. Paymen	nt instructions			
			4. Book fli	ght and share fli	ght numbers		
			5. Follow h	notel booking ins	structions		
							Delegation
	Registration opens in November (to be confirmed) Registration link By February at the latest y will hear if you can join!					-	



Stay in touch

Got any questions? Feel free to reach out:

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- Project secretary HTDX for Osaka Expo, The Netherlands Embassy Charlotte Peeters Weem charlotte@hollandinnovation.jp
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- Rijksdienst Voor Ondernemend Nederland (RVO)
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Follow this QR-code for the Netherlands Innovation Network and information about the mission









Thank you for your attention!

