Digital Innovation days at the Slovenian House (ex-EXPO Pavilion) at Dubai EXPO City

in the Sustainability area of COP28

COP28 in Dubai 2023 is a unique opportunity to showcase, how tech innovation can contribute to mitigate climate change while supporting business, environmental and social action towards a greener and more sustainable future.

For Slovenia, the main advanced technologies focus in the context of COP28 Dubai are:, energy efficiency and transition to carbon neutrality, circular economy with special attention to circular construction, sustainable mobility and smart transport, and cities of the future.

In order to showcase Slovenian solution providers and technology leaders and in order to build the necessary international alliances for impact, the **Ministry of the Economy, Tourism and Sport**, **Slovenia**, is organizing three days of intensive program, in partnership with **Dubai World Trade Cente / Future Blockchain Summit, MCH Basel, Climate Chain Coalition, GloCha and IAAI** and in cooperation with **Slovenian Enterprise Fund, SPIRIT Slovenia, AV Living Lab and AWS Dubai.**

From 5th to 7th December 2023 there will be 3 days of dedicated events highlighting green-tech, social-tech and gov-tech solutions on the way to NetZero, of which:

- 5th December will be dedicated to Energy Efficiency & Renewable Energy Sources and Circular Economy
- 6th December will have a focus on Sustainable mobility and Cities of the Future

- 7th December will have a focus on Water and cross border data and digital innovation infrastructures with a particular focus on advanced digital technologies (AI, Cloud computing, Big Data, blockchain technology)

Provisional Agenda:

Day 1 – 5th December 2023

Energy & Circular Economy

9.30 – 10.00 Welcome addresses by organizers

10.00 – 12.30 Slovenian Enterprise Fund and SPIRIT Slovenia

(1)   ***Welcome and Opening Remarks*** (10 minutes)

o   Welcome and introduction to the event's topic │   Ministry of Environment, Climate and Energy (tbc), Ministry of Economy, Tourism and Sport (tbc) AND Slovene Enterprise Fund andć SPIRIT Slovenia

(2)   ***Overview of Hydrogen Policy Landscape in Slovenia*** (10 minutes)

o   Presentation of the key strategies and policies implemented by the Slovenian government to promote the hydrogen sector │   Ministry of Environment, Climate and Energy (tbc)

(3)   ***Advances in Hydrogen Technology and Real-World Applications in Slovenia*** (15 minutes)

- Presentation of the current research advancements and innovative technologies related to hydrogen in Slovenia │   Institut Jožef Stefan (tbc) (tbc) or FS UL
- An overview of the state of the hydrogen industry, its applications, and the role it plays in the broader energy landscape of the country │   Industry Representative (tbc)

(4)   ***Showcasing Best Practices in the Hydrogen Ecosystem Development, Education, and Entrepreneurship in Slovenia*** (45 min)

a.   Ecosystem: North Adriatic Hydrogen Valley (10 min)

- Introduction to the "North Adriatic Hydrogen Valley," which represents the pioneering European cross-border initiative to establish a a hydrogen-based economic, social and industrial ecosystem based on the capacity of the quadruple helix actors of Slovenia, Croatia and Friuli Venezia Giulia │ Ministry of Environment, Climate and Energy (tbc) or Holding Slovenske elektrarne d. o. o. (tbc)

b.   Education: (10 min)

- Presentation of the "H2Student" project, aimed at fostering interest in hydrogen, enhancing technological awareness, and encouraging young individuals to pursue studies related to hydrogen technologies and careers in this field │ ECUBES d.o.o. (tbc) OR University of Maribor, Faculty of Logistics (tbc)

c.   Enterprenurship: Recatalyst, RENN Solutions and DUOL (25 min)

-   Presentation of innovative start-ups and SMEs along with their cutting-edge solutions and contributions to the hydrogen sector │ Recatalyst d.o.o., RENN Solutions d.o.o. (tbc) AND DUOL d.o.o. (tbc)

(5)   ***Roundtable Discussion***: Opportunities and Challenges for Start-ups, Scale-ups, and SMEs in the Hydrogen Sector (40 min)

-   In-depth discussion on the potential opportunities for emerging enterprises and SMEs in the hydrogen field in Slovenia, addressing the challenges they may face and strategies to overcome them │ Slovene Enterprise Fund, Institut Jožef Stefan (tbc) OR National Institute of Chemistry (tbc), Holding Slovenske elektrarne d. o. o. (tbc), UNIDO (tbc), ECUBES d.o.o. (tbc), Recatalyst d.o.o., RENN Solutions d.o.o./INEA (tbc) AND/OR DUOL d.o.o. (tbc)

(6)   ***Closing Remarks*** (5 min)

-   Concluding thoughts and remarks emphasizing the importance of international cooperation in advancing hydrogen technology │ Slovene Enterprise Fund / SPIRIT Slovenia

(7)   12:30 – 13:00 Networking Session

13.00 – 14.00 Ener-tech for greening the environment:

Moderator: Nena Dokuzov

-   Solutions in the field of Batteries
-   Solutions in the field of Microelectronics
-   Marketplace for renewable energy trading – SunContract
-   Energy Tokenization: Decentralized Production, Consumption & Exchange, Blockchain for Good: Jacques-Andre Fines - Schlumberger
-   Carbon trading system and Emission trading system in Europe and worldwide
-   ETS reporting – Špica (Dario) / in5th (Grega Jerkič)
-   Presentation of UNEP report – Jane Thomason

14.00 – 16.00 Circular economy and circular construction

14.00 – 14.30 POLICY

State of the art Circular Economy transition in Slovenia – SRIP – Circular Economy

Strengthening of the value chain: Deep Demonstration in Slovenia – Climate KIC, Bart Stegeman

14.30 – 15.00 BEST PRACTICE PRESENTATION – Circular construction

-   Digital Product passport – GIC Gradnje Slovenia
-   Nigrad, Demo site – use of SRM in construction
-   Traceability of products and materials and data and documents – OriginTrail
-   Best practices in CE – BIM Real Madrid – Santiago Bernabeu Stadium

15.00 – 16.00 PANEL DISCUSSION: TRANSITION TO NETZERO IN ENERGY-INTENSIVE INDUSTRIES, moderated by Nina Meglič, coordinator of SRIP – Circular Economy

- SIJ
- DOMEL
- Aquafil
- Incom Leone
- GORICA: Andreja Fornazarič (tbc)
- INATBA – Mariana De La Roche
- MaasVentures: Sunny Jiang

16.00 – 20.00 session co-organized with DWTC/FBS and MCH group

16.00 – 16.45 Sustainable finance

- Green Digital Fonance Katherine Foster
- Palmatrix: Jernej Vrčko
- GIZ: Bjorn Soren Giegler
- Infynit: Ritesh Jain

17.00 – 17.45 Space Technologies and Futurist Vision on sustainability

- ESA Space solutions – Space for Olympic games (LA)
- David Chaum
- Pablos Holman
- DUOL: Dušan Olaj
- Venervell Academy: Malak Trabelsi Loeb

Day 2: 6th December 2023

Sustainable Transportation and Cities of the future

COP 28 – Slovenian house (ex-EXPO pavilion) at DUBAI EXPO CITY – sustainability area

DRAFT AGENDA:

9.00 – 9.30 Press Conference at Blue zone by Climate Chain Coalition

SUSTAINABLE TRANSPORT EVENT (Slovenian house, ex-EXPO Pavillion at EXPO City Dubai, sustainability area)

10:00 – 10:10   opening remarks by the Slovenian Representative

10:10 – 10:20   opening remarks by UAE Representative

10:20 – 10:30   Success Story in Sustainable Transportation: Slovenian – Austrian Partnership:

- DARS-ASFiNAG presentation: "Green Smart Highways and Cross-Border Autonomous Vehicle Corridors"

10:30 – 10: 45 Chairman of the Dubai Police; Title: "Policing Green Roads: Dubai Police's Commitment to Sustainable Mobility"

10:45 – 11:00   Chairman of the TGA Saudi Arabia; Title: "The Green Corridor: Integrated Public Transport for a Sustainable Future"

11.00 – 11.10 Dubai Police department in Saudi Arabia (TBC)

11:10 - 12:00 Roundtable with Slovenian Sustainable Transportation Champions, moderated by Nena Dokuzov:

- AIR: PIPISTREL – world's first electric aircraft
- WATER: PODKRIZNIK – world's winning electric boat
- ROAD: ELAPHE – electric in-wheel engines
- POWER: HIDRIA – electric batteries

METAVERSE: AV LIVING LAB – world's first AI metaverse driving simulators

12:00 -12:10   Closing Remarks by the Slovenian Ambassador

CITIES OF THE FUTURE (Smart Cities and Communities and Cities towards NetZero)

13.00 – 14.30 Cities of the future – tech solutions of sustainable cities (Slovenian house – ex EXPO Pavilion at EXPO City Dubai)

Presentations of:

- City of Los Angeles, USA
- City of Dubai, UAE
- City of Milan, IT
- City of Ljubljana, SI (Boštjan Koritnik, vicemajor)
- City of Berlin, DE (Horst Weidenmuller, !K7)
- City of Klagenfurt, AT

Roundtable – how can advanced tech solutions contribute to the sustainable cities of the future:

- GAIA-X data space coordination: Smart Citie and Communities: Andreja Lampe
- Tokenized Land registry: Blocksquare: Makram Hani
- Tokenized smart transport in India: Jose Jacob K.
- Digital twin for cities with AI application: Institute Jozef Stefan: Marko Grobelnik

16.45 – 17.30 event at Digital Innovation stand – COP28 Blue Zone

16.00 – 20.00 session co-organized with DWTC and MCH Basel (Slovenian house – ex EXPO Pavilion at EXPO City Dubai)

- 16.00 – 18.00 Creative industries and Digital Art for Climate

Edutainment and knowledge transfer on the way to sustainability –

- Garibay institute: Fernando Garibay
- European social innovation competence centre - Asta Jugurte

- 18.00 – 20.00 Music, Art and Creativity

* performance: Fernando, Beatie Wolf, DJ Alok

19.00 – 21.00 Reception at the Slovenian house (ex-EXPO Pavilion – Sustainability area): Slovenian – Austrian and international cooperation, with the attendance of the President of the Republic of Slovenia and President of the Republic of Austria (tbn)

DAY 3: 7.12.2023

Sustainable solutions in the water sector – event in the co-organization with AWS - (Slovenian house – ex EXPO Pavilion at EXPO City Dubai, Sustainability area)

10.00 – 12.30

1)   AWS cloud technology & water demonstration, potentially including a video case study
2)   Water & AI panel with government and industry speakers
- Marko Grobelnik, IRCAI
3)   AWS announcement of Water Tech Acceleration Lab

13.00 – 15.30 Cross border interoperable infrastructures as a tool to support sustainable solutions – in cooperation with DWTC:

- European Digital infrastructure Consortia (EDIC – EBSIC): Nena Dokuzov
- Important projects of Common European Interest – Common Data Infrastructure and Services
- Cross-border collaboration through Geo Location: Gaia-X: Emmanuel Mondon, Samer Bishay
- Global cross border interoperable infrastructures: Miroslav Polzer, GloCha-IAAI; climate chain Coalition, Bjorn Soren Giegler, GIZ