



Swissnex at the Swiss Pavilion - Expo 2020 Dubai Programme

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1) Connecting the Alps to the Desert: exchanging best practices in nature conservation (Climate and Biodiversity Thematic week, 3-9 Oct 2021)



ETH Zürich



Crowther Lab

University of Zürich



Dept. Geography
(One Earth, Many Worlds)

University of Lausanne



Owls for Peace

Highlights

- **3 Oct:** World Majlis co-hosted by Switzerland:
"The Green Rush: Getting creative to fight biodiversity loss"
- **4 Oct: Owl for Peace** in the Middle East (University of Lausanne)
in collaboration with the Jordanian, Israeli and Moroccan Pavilion

1) Connecting the Alps to the Desert: exchanging best practices in interacting with nature (Climate and Biodiversity Thematic week, 3-9 Oct 2021)

Date	Event	Content	Key people	Notes
Sun 03 October	Expo World Majlis (Co-Hosted by Switzerland) (live stream)	The Green Rush Getting creative to fight biodiversity loss	<ul style="list-style-type: none"> Prof. Tom Crowther Prof. Alexandre Roulin Dr. Lalasia Bialic-Murphy 	Switzerland co-hosting the Expo's 1st World Majlis at the sustainability pavilion
Mon 04 October	Workshop	From the Alps to the Desert: Sharing best practices in interacting with nature	<ul style="list-style-type: none"> Prof. Alexandre Roulin Dr. Lalasia Bialic-Murphy UAE researchers and Students Prof Giorgi (Italy) 	Workshop and Exchange (in collaboration with the Italian Pavilion)
	Keynote (live stream)	Dancing with Nature: How Collaborating with Natural Forces Can Improve Our Well-being	<ul style="list-style-type: none"> Prof. Tom Crowther (ETH) 	Presentation on Nature's Feedback loops and how to use them for biodiversity restoration
	Panel (live stream)	Owls for Peace: Ecology and reconciliation in the MENA region thanks to birds of prey	<ul style="list-style-type: none"> Prof. Alexandre Roulin Prof. Yossi Leshem (Israel) Gen (Ret). Mansour Abu Rashid (Jordan) Prof. Sidi Imad Cherkaoui (Morocco) 	Owl for Peace project is being conducted with researchers from Israel, Palestine and Jordan to study Barn Owls

2) Achieving the S(patial)DGs: Space as a driver for sustainability

Space Thematic week (17-30 October 2021)



EPFL Space Centre

EPFL

- Sustainable space logistics
- Education and space

ClearSpace One

C clearspace
today

Space debris

Space Innovation
(Igluna and Space4Impact)

SPACE
INNOVATION

The New Space Economy



Highlights

- **19 Oct** World Majlis co-hosted by Switzerland and India:
"Applying approaches from space to fight climate change"
- **20 Oct** Guest lecture for UAE students: Hosted by Swiss Astronaut Claude Nicollier. Participation of Japanese Astronaut Ms. Yamasaki
- **21 Oct** Hybrid panel: *Space Debris: the New Frontier of Recycling*

2) Achieving the S(patial)DGs: space as a driver for sustainability





Space Thematic week (17-30 October 2021)

Date	Event	Content	Key people	Notes
Tuesday 19 October	Expo World Majlis (live stream)	Applying approaches from space to fight climate change	<ul style="list-style-type: none"> Emmanuelle David (eSpace) Claude Nicollier 	Co-curation with India at the Indian Pavilion
Wednesday 20	Guest Lecture	Human space flight: Experience and future trends	<ul style="list-style-type: none"> Prof. Claude Nicollier, former Swiss Astronaut Ms. Naoko Yamazaki, former JAXA Astronaut 	In collaboration with the Japanese Pavilion: Presence of Astronaut Ms. Yamasaki
	Conference (French Pavilion)	Space Tech for the SDGs: Earth observation	<ul style="list-style-type: none"> Devis Tuia (EPFL) 	In collaboration with the French Pavilion
Thursday 21	Workshop	Education in space technology: a road to youth empowerment	<ul style="list-style-type: none"> UAEU students (pathfinders) Emmanuelle David (eSpace) «Galactic» Chloé Carrière 	Online workshop between Swiss and UAE students: exchange of best practices
	Panel (live stream) +Networking event	Space Debris: the New Frontier of Waste Management	<ul style="list-style-type: none"> Prof. Thomas Schildknecht (live from Bern) Luc Piguet Moribah Jah 	Focus on ClearSpace and Swiss solutions to mitigate space debris (follow up from the Swissnexday 2019)
Monday 25	Pitch and reception	Showcase of the Swiss delegation to the IAC	<ul style="list-style-type: none"> SSO ESA BIC 	Pitch of startups and exchange with UAE equivalents

3) The Circular Economy of Smart Cities: Swiss solutions made globally

Urban & Rural Development Thematic Week (31 Oct – 06 Nov)



Switzerland Global Enterprise	Iglus (EPFL)	LC3 Cement (EPFL)	HSU Lucerne University of Applied Sciences and Arts
			
Delegation of cleantech companies (6 confirmed) - In partnership with SmartCity Alliance	Expertise in the Governance of urban infrastructures	Low-carbon cement, aiming to become a new world standard	Dept. Engineering and Architecture

Highlights

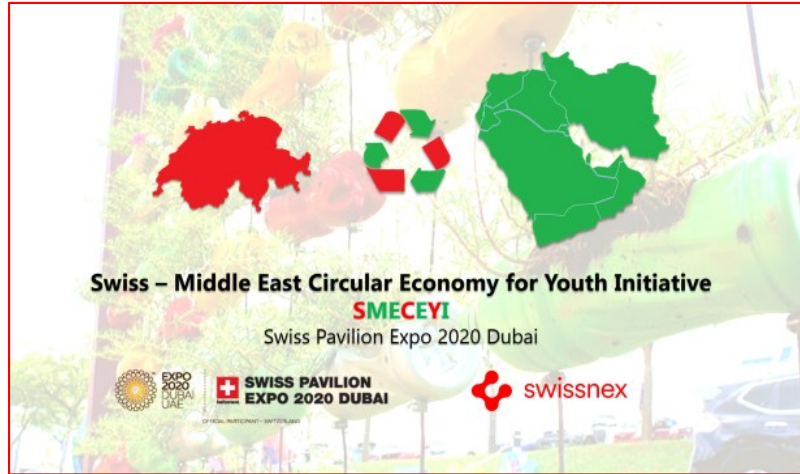
- **2 Nov** Panel *Waste management: challenges and opportunities*
- **3 Nov** LC3 Cement workshop with NYUAD
- **4 Nov** Swiss-Middle East Circular Economy for Youth Initiative (SMECEYI): Final Event

3) The Circular Economy of Smart Cities: Swiss solutions made globally

Urban & Rural Development Thematic Week (31 Oct – 06 Nov)

Date	Event	Content	Key people	Notes
Tuesday 2 November	Panel discussion (live stream)	'Waste management: challenges and opportunities'	<ul style="list-style-type: none"> Prof. Matthias Finger (IGLUS) Renegon, DePoly, IBG AG 	Co-hosted by IGLUS (EPFL)
Wednesday 3	Workshop	Workshop for LC3 Cement in partnership with NYUAD	<ul style="list-style-type: none"> Prof. Karen Scrivener (LC3) 	Building on past event with NYUAD in 2020
Thursday 4	Panel	Finding the new urban infrastructures of the circular economy	<ul style="list-style-type: none"> Prof. Matthias Finger (IGLUS) Stignergy, Droople, LTS Hitachi Zosen Inova 	Co-hosted by IGLUS (EPFL)
	Pitch (live stream)	SMECEYI final Event: pitch of the 5 teams	<ul style="list-style-type: none"> 5 SMECEYI finalists 	Inclusion of all participants: selection of the SMECEYI finalist

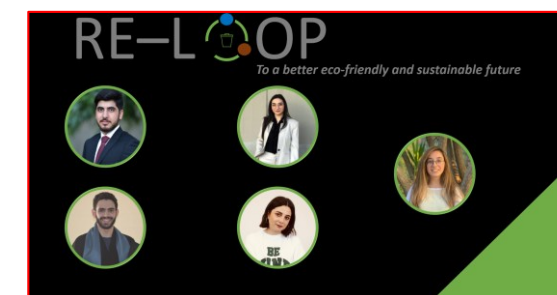
SMECEYI as a Regional Opportunity



- Launched in March, the **Swiss-Middle East Circular Economy for Youth Initiative** ([SMECEYI](#)) is about developing innovative solutions to two issues at once: **Extensive waste generation** and **Youth unemployment**
- **9 teams** of students of universities from the **UAE, Lebanon, Occupied Territory of Palestine** and **Saudi Arabia** (originally 15)
- Supported by **Swiss mentors** (professors, students) through the Leading House MENA
- **The 5 finalists** will showcase their solutions at the Swiss Pavilion in November 2021

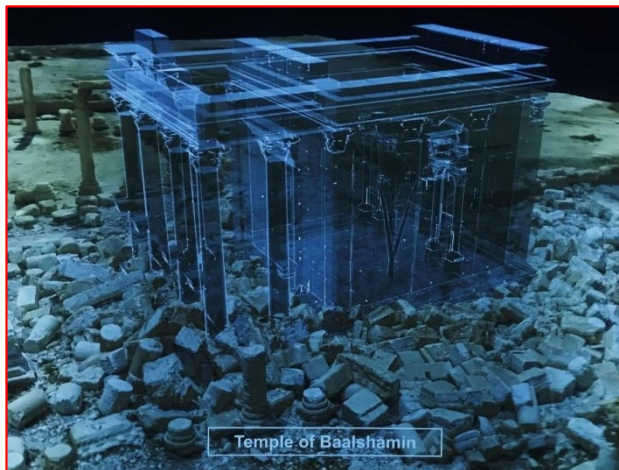
SMECEYI as a Regional Opportunity

Teams	Middle East Universities	Swiss Partners
Multigreen	Al Quds University (Occupied Territory of Palestine)	Dr. Wejdan AlGhamdi, King Abdullah University of Science and Technology KAUST
Plasticycle	Holy Spirit University of Kaslik - USEK (Lebanon)	Prof. Roger Marti HEIA Fribourg Gastone Faccin & Valentina Pavlovic Université de Lausanne
I-Collect	Holy Spirit University of Kaslik - USEK (Lebanon)	Prof. Lazlo Arato University of Applied Sciences Eastern Switzerland
Nommas	KAUST (Saudi Arabia)	Prof. Josef Spillner, Dr. Giovanni Toffetti Carughi ZHAW
Green Arabia	NYU Abu Dhabi (UAE)	Prof. Uwe Schulz HSLU
Re-LoOp	Saint Joseph University of Beirut (Lebanon)	Jakub Olechno University of Lausanne
Tadwir	Saint Joseph University of Beirut	Dr. Magdalena Klotz ETH Zürich
Sustainable Builders	UAE University	Prof. Françoise Beltzung HEIG-VD
Junket	UAE University	Dina Vashdev HES- SO Valais



4) Education from the past and for the future: a driver of tolerance and inclusivity

Tolerance & Inclusivity Thematic week: (14-20 Nov)



RAFISA ICT



University of Lausanne



Vocational education for autistic people

Collart-Palmyre Project

Highlights

- **Projet Collart-Palmyre:** Presentation and discussion on cultural heritage promoting tolerance
- **RAFISA ICT:** Workshop about vocational education for people of determination

4) Education from the past and for the future: a driver of tolerance and inclusivity

Tolerance & Inclusivity Thematic week: (14-20 Nov)

Date	Event	Content	Key people	Notes
Sunday 14 November	Workshop / Presentation	Atypical Talents: VET as an inclusivity enabler (RAFISA ICT Summit)	<ul style="list-style-type: none"> Siegfried Wirtner RAFISA ICT staff 	RAFISA ICT opened a school recently in Dubai. This summit is designed to put forward their activities in the UAE
	Expo Event (World Majlis)	Art for Good: Using Art to Make our Planet a Better Place	Dr. Patrick Michel	Hosted at the Italian Pavilion
Monday 15 November	Presentation	Projet Collart Palmyre (virtual reconstruction of a destroyed temple in Syria)	Dr. Patrick Michel	
	Panel discussion (live stream)	Inspiration from the past for a better future: How can preserving cultural heritage safeguard tolerance in our societies	<ul style="list-style-type: none"> Dr. Patrick Michel Zaki Aslan (ICCROM, Sharjah) UAE guest (Zayed University) 	

5) #learningtomorrow

Knowledge & Learning thematic week (12-18 December)



SwissSkills



Showcase of apprentices
(Virtual and in person)

SFIVET



Expertise in capacity
building in vocational
education training (VET)

Edtech Startups



Ethafa (SUPSI), Seedstars

Highlights

- Focus on VET: **Showcase of apprentices**, including in person demonstrations
- **14 Dec** Workshop on VET with Emirati authorities and the private sector
- **15 Dec** panel: VET in the 4th industrial revolution: opportunities and challenges

More information [here](#)

5) #learningtomorrow

Knowledge & Learning thematic week (12-18 December)

Date	Event	Content	Key people	Notes
Sunday 12 December	Panel (RewirED Summit)	Discussion: 'Scaling up TVET'	Erik Svarts (SFIVET)	RewirED summit is an Expo-wide event
Monday 13 December	Presentation / Workshop	Ethafa: Edtech to teach STEM topics for young arabic girls	Serena Cangiano (SUPSI)	Set to host Emirati stakeholders and Company representative (ex: Nestlé)
Tuesday 14 December	Workshop	Exchange between Swiss and Emirati VET Students: Workshop on how to design the perfect VET experience	SwissSkills Emirates Skills	
	Worskhop	Workshop on VET for local authorities	SFIVET Emirates Skills ACTVET +Private sector	High-level technical discussion on TVET, Collaboration with the Swiss Embassy in Oman
Wednesday 15 December	Panel (live stream)	VET in the 4th industrial revolution: opportunities and challenges	All partners	Set to host Emirati stakeholders and Company representative (interest from Nestlé, ABB and DP World)

6) Mobility As A Service (MAAS)

Travel & Connectivity thematic week (9-15 January 2022)



Highlights

- 11 Jan: Workshop on MAAS with UAE University
- 12 Jan: Panel organised by IGLUS (EPFL) on MAAS

Agenda being redefined



**EPFL Essential Tech
Centre**

Seedstars

EPFL | EssentialTech
Centre

seedstars*

Tech
Entrepreneurship
SDGs

Showcase of success
stories (Dubai office)

- Partnership with the ICRC (Engineering for Humanitarian Action Partnership)
- Collaboration with Moroccan Pavilion
- Put forward the “Excellence for Africa” initiative of the EPFL

7) techforgood.ch

Global Goals thematic week(16-22 January)

Date	Event	Content	Key people	Notes
Sunday 16 January	Panel	Tech For Good: At the Crossroads of Science, Innovation and Entrepreneurship	Prof. Klaus Schonenberg (EPFL Essential Tech) Representative Seedstars	In development: Link with ICRC is being defined
Tuesday 18	World Majlis (Expo event) (live stream)	Extending the Revolution to Every Doorstep Bringing the benefits of the 4th industrial revolution to everyone	Prof. Klaus Schonenberg (EPFL Essential Tech)	In cooperation with the Moroccan Pavilion

8) Public Health and the 17 SDGs: research, education and acrobatics.

Health and Wellness thematic week (27 Jan – 02 Feb 2022)



Swiss School of Public Health  SSPH+ SWISS SCHOOL OF PUBLIC HEALTH	SUPSI Scuola universitaria professionale della Svizzera italiana SUPSI	Accademia Teatro Dimitri (SUPSI) 
Public health faculties affiliated with twelve Swiss universities.	Interactive installation on public health and the 17 SDGs	Performance of students to showcase public health and the SDGs

Highlights

- Science flash talks on public health
- Live performances by theatre student
- Cooperation with SDC (digital health)
- Cooperation with Iranian Pavilion (The Leading House for Iran-Switzerland Academic Partnerships)



8) Public Health and the 17 SDGs: research, education and acrobatics.

Health and Wellness thematic week (27 Jan – 02 Feb 2022)

Agenda being defined

Date	Event	Content	Key people	Notes
Sunday 30 January	Panel	SSPH+ Flash Talks	Prof. Nino Künzli	Collaboration with MBRU University
Monday 31 January	Performance	Performance of acrobats on the rooftop	Accademia Teatro Dimitri	
	Expo 2020 World Majlis	Healthier World, Healthier People: Healing our Planet to Improve Human Wellbeing	Prof. Nino Künzli	

Water Month: Swiss innovation to preserve the blue planet

March 2022



eawag

eawag
aquatic research

**EPFL Transnational Red
Sea Centre (EPFL)**

 **Transnational
Red Sea
Center**

- Grey water
- COVID in Waste water

Study on coral
preservation

Highlights

- Collaboration with SDC
- **22 March** **World Majli co-host:** *Managing and Sharing a Shrinking Resource*
- Transnational Red Sea Centre: Contact made with the pavilions of Israel, Egypt and Jordan.

8) Water Month: Swiss innovation to preserve the blue planet

March 2022

Date	Event	Content	Key people	Notes
Sunday 20 March	Presentation + panels	Eawag on WASH (grey water & COVID in waste water)	Chris Zurbrügg Tim Julian	
Monday 21st March	Presentation & Panel	Transnational Red Sea Centre: (Bio)diversity in science to protect marine life	Prof. Anders Meibom + other Pavilions (interest received by Israel and Egypt)	
	Expo World Majlis	World Majlis Living Oceans: Reversing our Impact on Marine Ecosystems	Prof Anders Meibom	
Tuesday 22nd March	Expo World Majlis (co-hosted by Switzerland) (live stream)	Managing and Sharing a Shrinking Resource	tbc	Hybrid event with World Water Forum Dakar

Content overview (2021)

DATES	EXPO THEMES	No	SWISS PARTNERS	CONTENT
3-9 Oct 2021	Climate And Biodiversity	1	<ul style="list-style-type: none"> • ETHZ • University of Lausanne • University of Zürich 	Connecting the Alps to the Desert: exchanging best practices in nature conservation <ul style="list-style-type: none"> • Crowther Lab (ETHZ) • Dept. Geography, One Earth Many Worlds (UZH) • Owls for Peace (Unil)
17 - 23 Oct	Space	2	<ul style="list-style-type: none"> • EPFL (Space Centre) Incl. ClearSpace • Space Innovation (Igluna, Space4Impact) 	Achieving the S(patial)DGs <ul style="list-style-type: none"> • Sustainable Space Exploration • Education and Space • The New Space Economy
31 Oct - 6 Nov	Urban & Rural Development	3	<ul style="list-style-type: none"> • S-GE (cleantech startups) • Iglus Centre (EPFL) • LC3 Cement (EPFL) • Swiss-Middle East Circular Economy for Youth Initiative (SMECEYI) 	The Circular Economy of Smart Cities: Swiss solutions made globally <ul style="list-style-type: none"> • Recycling & Waste management in cities • Urban mining • Governance of urban infrastructures <i>Including Swiss-Middle East Circular Economy for Youth Final Summit</i>
14-20 Nov	Tolerance & Inclusivity	4	<ul style="list-style-type: none"> • RAFISA ICT4Autism • University of Lausanne (Collart-Palmyre Project) 	Education from the past and for the future: a driver of tolerance and inclusivity <ul style="list-style-type: none"> • Inclusion through VET for people of determination • Heritage and cultural conservation as a driver towards tolerance
12-18 Dec	Knowledge & Learning	5	<ul style="list-style-type: none"> • SwissSkills • SFIVET • Edtech Startups (Ethafa) 	#LearningTomorrow <ul style="list-style-type: none"> • VET • Future of Education • EdTech

DATES	EXPO THEMES	No	SWISS PARTNERS	CONTENT
9-22 Jan 2022	Travel & Connectivity	6	<ul style="list-style-type: none"> EPFL Middle East 	Mobility As A Service (MAAS) <ul style="list-style-type: none"> Mobility 4.0 Smart Cities
16-22 Jan	Global Goals	7	<ul style="list-style-type: none"> Essential Tech Centre (EPFL) Seedstars 	Tech4impact.ch <ul style="list-style-type: none"> Tech for good Entrepreneurship for innovation
27 Jan – 2 Feb	Health & Wellness	8	<ul style="list-style-type: none"> SSPH+ (Swiss School of Public Health) SUPSI Accademia Teatro Dimitri (SUPSI) 	Public Health and the 17 SDGs: a Swiss perspective on research and acrobatics. <ul style="list-style-type: none"> Interdisciplinary research on how public health involves all 17 of the SDGs (including artistic interpretation)
March	Water Month Includes the Water thematic week (20-26 Mar)	9	<ul style="list-style-type: none"> Eawag Transnational Red Sea Centre (EPFL) 	Swiss innovation to help preserve the Blue Planet <ul style="list-style-type: none"> Water sanitation and treatment International study on Red Sea Corals