CONFERENCE MINUTES

D.C4.4 Evaluation Conference in Slovenia

Minutes of the conference

Event:	Industry 4.0 and Robotics / the Final Event of the "Digital Exhibition - Technology for the People" to take place on 20/12/2021
Place:	Hybrid - Online (zoom) & Slovenian Digital Center, Ulica Gledališča BTC 6, North, Hall 1a
Day:	20.12.2021
Participants:	Mr. Borut Zrim, Mr. Jožek Špilak (both PTP), Ms. Simona Knežević Vernon dr. Igor Kovač (IJS) and many more (see list of speakers and LoP)
Attachments:	Photo of LoP

Summary

Within Slovenian EU Presidency and opportunity of CEUP2030 promotion, we jointly decided to use the opportunity where all attention will be concentrated on Slovenia and politicians will to attend thematic events (month December was dedicated to Automation and Robotics – one of CAMI 4.0 topics) we co-organized the event of Final conference as summary of whole month activities, where also CEUP2030 can present itself in presentations (brochure) and in 2 round tables initially organized by SRIP Factories of the Future and TECOS and later offered co-organization to Pomurje Technology Park.

We did preparation scenarios with co-organizers, invited speakers from CEUP2030 partnership (dr. Tobias Müller of KIT for round table #1 – Manufacturing and in round table #2 with policy stakeholders with Roland Sommer of PIA). Preparations and instructions where shared by moderator of event dr. Pierre Padilla and in case of Policy stakeholders event went smoothly, while in round table Manufacturing there was kind of unfortunate event where dr. Müller was not included in debate. Both objective and subjective reasons for this unfortunate happening.

Both debates were addressing CEUP2030 project, where we could hear different experiences also plan of Slovene government on ecosystem development and a lot from bottom-up identified needs seem to be addressed in the future. The whole set-up of speakers was well selected, and statements as invest in HR/people as robots alone will not work are good; one more, funding

needs to be stable for R&D and SMEs being able to use the opportunities in most effective way and most of all for best novel solutions to be applied/deployed. From Ministry level there was a recommendation to follow the Digital radar of EU and get aligned with trends coming. Unfortunately, there was no chance for questions form public where we would address all with:

Event hosted around 20 on-spot participants and 38-43 online (variating with time). PTP co-financed the catering services for on-spot participants Attached here photos / LoP (mind GDPR), agenda

ZAKLJUČNA KONFERENCA
MESECA INDUSTRIJE 4.0. IN ROBOTIKE

CLOSING CONFERENCE OF INDUSTRY
4.0 AND ROBOTISC MONTH

SRIPTOP

ORGANIZATOR

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SRIP Tovarne prihodnosti

OSTALI ORGANIZATORJI

TECOS

TECOS – RAZVOJNI CENTER ORODJARSTVA SLOVENIJE
TELEFON: 03 6319504
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Pomurski TEHNOLOŠKI PARK

POMURSKI TEHNOLOŠKI PARK

DATUM
20 Dec 2021
Poteklo

ČAS
09:00 – 12:30

OZNAKE
Za udeležbo na dogodku je potreben PCT pogoj.

PRIJAVA NA DOGODEK V ŽIVO, V DIGITALNEM SREDIŠČU SLOVENIJE

PRIJAVA NA ZOOM DOGODEK

+ Dodaj v Google Koledar
+ iCal / Outlook izvoz

Zaključna konferenca meseca Industrije 4.0 in robotike

POSLUŠAJ/LISTEN

Zaključni dogodek, predstavitev celotnega meseca, naučenega, videnega, s predstavitvijo brošure in posvetom o prihodnjih usmeritvah Robotike in Industrije 4.0, skupaj z moderatorjem.

RAZPORED PO URAH

Zaključna konferenca meseca Industrije 4.0 in robotike

8:45 – 9:00
Prihod in kava dobrodošlice

9:00 – 9:10
Uvodni pozdrav
Govorci: Asst. Prof. Dr. Igor Kovač, Simona Knežević Vernon

9:10 – 9:40
Okrogla miza o proizvodnji
Govorci: dr. Aleš Hančič, dr. Hubert Kosler, dr. Matjaž Čemažar, dr. Tobias Mueller, Mag. Aleš Cantarutti, Peter Sergatbroll, Prof. dr. Boštjan Zalar

9:40 – 9:50
Odmor za kavo

9:50 – 10:10
Potrebe industrije in kako jih odločevalci lahko podprejo
Govorci: dr. Tomaž Boh, Jernej Salecl, Marko Hren, Peter Goršak, Vladimir Prebilič

Uvodni govor: Izkušnje Avstrije pri hitrem prototipiranju in komercializaciji inovacij na področju Industrije 4.0 – Platform Industry 4.0
Govorci: Roland Sommer

12:10 – 12:20
Zaključki

12:20 – 13:00
Lahko kosilo

GOVORCI

Asst. Prof. Dr. Igor Kovač

Dr. Aleš Hančič
TECOS

Dr. Hubert Kosler
Yaskawa Slovenija d.o.o.

Dr. Matjaž Čemažar
direktor družbe Domel

Dr. Tobias Mueller
Karlsruhe Institute for Technology

Dr. Tomaž Boh
MIZŠ

Dr. Vladimir Prebilič
Župan Občine Kočevje

Jernej Salecl
generalni direktor, Direktorat za internacionalizacijo, podjetništvo in tehnologijo, Ministrstvo za gospodarski razvoj in tehnologijo

Mag. Aleš Cantarutti
Generalni direktor, GZS

Marko Hren
Služba vlade za regionalni razvoj in evropsko kohezijsko politiko

Peter Goršak
State Secretary, Government Office for Digital Transformation

Peter Sergatbroll
COS, R&D Cooperations & Funding, MAGNA AUTOMOTIVE HOLDING

Prof. Dr. Boštjan Zalar
Direktor, IJS

Roland Sommer
Platform Industry 4.0 (PIA)

Simona Knežević Vernon
TECOS

LOKACIJA
Hibridno (fizično in spletno)

KATEGORIJA
Industrija 4.0 in Robotika

DELI DOGODEK

N-ABLE

SLOVENIAN DIGITAL CENTER
Technology for the People

I FEEL SLOVENIA — GREEN. CREATIVE. SMART.

Industry 4.0 and Robotics
Preparatory Document for the Final Event of the "Digital Exhibition – Technology for the People" to take place on 20/12/2021

Proposed Approach

SLOVENIAN DIGITAL CENTER
Technology for the People

Monday 13 December 2021

Contact
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N-ABLE

1. Purpose

The present document aims to set the frame of the animation work to be carried out by N-ABLE during the event. It can be considered as general guidelines on the management of the speakers and questions asked.

When validated, this document will be used:
➢ As a working document orienting the content of the sessions;
➢ As a reference file for the organisation team as well as for strategic speakers;
➢ As a baseline for the animation of the event by N-ABLE.

2. Approach

The approach proposed by N-ABLE is summarised in the table below. We suggest to organise the room and logistics to keep the setting as informal as possible as we wish to create interactions between speakers and people in the room.

Session	Approach
9.10-10.30 *Session 1*	**DURATION: 1hr 20min.** 1. Introductory statement by Pierre Padilla *(2.5 min.)* 2. Topical Tour de table: *"What are the key trends driving industry 4.0 and future manufacturing?"* *(15 min.)* 3. Individual questions lines (to each Panellist, see **Section 3**) *(20 min.)* 4. Panel discussion on innovation and industrial needs: *"What are the key obstacles facing Industry 4.0 innovation and deployment and how to address them?"* *(20 min.)* 5. Q&A open to audience: questions *(10 min.)* 6. Wrap-up Statements by each Panellist: *"What is your top recommendation toward policy makers?"* *(10 min.)* 7. Concluding statement by Pierre Padilla *(2.5 min.)*
10.45-12.00 *Session 2*	**DURATION: 1hr 15min.** 1. Introductory statement by Pierre Padilla *(2.5 min.)* 2. Topical Tour de table: *"What policy to support Industry 4.0 and for which impacts?"* *(15 min.)* 3. Individual questions lines (to each Panellist, see **Section 3**) *(10 min.)* 4. Panel discussion on policy support: *"What support measures are needed to boost an Industry 4.0 industrial ecosystem?"* *(20 min.)* 5. Q&A open to audience: questions *(10 min.)* 6. Wrap-up Statements by each Panellist: *"In 2 sentences each, share the 2 key take-away statements that you wish the audience to bear in mind from this event"* *(10 min.)* 7. Concluding statement by Pierre Padilla *(2.5 min.)*

3. Questions - Selection

The following questions are examples prepared in view of the conference. They will be used along each session, and we **ask each participant to prepare his/her answers in advance**. In practice, the lines of questioning will follow the exchange and the order of questions may change.

Speaker	Affiliation	Questions - Examples
		1/ Round Table on Manufacturing
Aleš Cantarutti	*Director Chamber of commerce and Industry of Slovenia*	1. Some say that Slovenia is stuck in the middle-income trap, with not so many final products and a lot of Tier-2/-3 positions in manufacturing value chains. Do you agree with this statement? If so, what are the main reasons for that? 2. Do you think we have gaps in the innovation policy mix today? What kind of measures could be further developed in Slovenia? 3. How do you feel about clustering in Slovenia (e.g., clusters, SRIPs, etc.)? Is the current framework effective, and how could it be further improved?
Prof. dr. Aleš Zalar	*Director, Jožef Stefan Institute*	4. What do you think is the greatest value a research and technology organization can bring to industry? 5. How do you think we can improve technology transfer in Slovenia? 6. What are the best incentives to bring public and private sectors together and develop collaborations further?
Dr. Aleš Hančič	*TECOS, Slovenian tool and die development centre*	7. What have been the best takeaways and lessons you derived from the events organized in the context of the EU Presidency and its Digital Exhibition? Could you identify key robotic/industry 4.0 flagships (tech/applications) for Slovenia? 8. What are SME needs and how can we support their adoption and deployment of Industry 4.0? 9. What are the missing bricks of pilot and demonstration activities in Slovenia? How should policy makers tackle that/these gap(s)?
Hubert Kosler	*director Yaskawa Slovenija &Yaskawa Ristro*	10. What are appropriate incentives that a company like Yaskawa need to collaborate with Slovenian innovation partners? 11. Do you think the Slovenian investment landscape is mature enough today to serve Industry 4.0 companies to the best extent? 12. What do you think are the key service and product niches for Slovenia today and how can Slovenian companies make a difference?

Speaker	Affiliation	Questions – Examples
Dr. Matjaž Cemažar	*Director Domel MAGNA*	13. What are the key drivers for a company to setup business activities in Slovenia? Do you see some pitfalls and limitations in the current Slovenian business framework? 14. How is your collaboration with Slovenian research entities? Do you face difficulties / challenges when it comes to collaborate with them? 15. What are the investment needs of a company like yours (Pilot & demo? Large CAPEX? Etc.)?
Tobias Muller	*Head of KIT*	16. What are the (best) practices you think an organization like KIT has experienced in terms of transferring process technologies to the private sector? 17. What is the role of new technologies such as Additive Manufacturing in new production processes and manufacturing business models? 18. What do you think are applications and technologies that could deploy faster to SMEs and how could we help them adopt them effectively?
'Reserve' questions	*All*	19. What is the value added of Slovenian manufacturing and its position in global value chains? 20. What are the current tech and business trends driving Industry 4.0? 21. What are necessary incentives for public and private sectors to collaborate? 22. How can we foster the internationalisation of Slovenian industry 4.0 and manufacturing businesses? How can we ensure they find their potion in the global manufacturing economy? 23. How can we stimulate cross-sectorial collaborations? 24. What is the #1 business need to innovate in robotics and advanced manufacturing today? 25. What is your vision of Slovenian manufacturing y 2030?
2/ Round Table on Policy Making		
Jernej Salecl	*General director, Internationalisation, Entrepreneurship and Technology Directorate at Ministry of economic development and technology*	26. What have been the most striking points of the first session that caught your attention? 27. What are the key industrial policy instruments that should be further developed to support Slovenian SMEs in their effort to 1/ commercialize but also 2/ adopt Industry 4.0 technologies and solutions? 28. FlandersMake, AmericaMakes… do you think that this kind of innovative, State-wide demonstration platform in Industry 4.0 could benefit Slovenia? 29. Risk capital and industrial policy are increasingly meeting each other. We need risk capital to fund industrial innovations, or help companies adopt advanced manufacturing technologies. Do you see ways to improve the risk capital landscape in Slovenia? 30. How do you think robotics tech transfer could be improved in Slovenia?

N-ABLE

4. Next steps

We propose the following next steps:

1. Please provide your feedback, complements and add-ons ASAP and in any case **before 15/12/2021.**

2. As soon as we will receive your comments, we will finalise both the setting and key questions (which are illustrative but a good occasion to gather your perspectives);

3. The next immediate step will be to contact each speaker with instructions on the questions foreseen as well as points to be prepared.

Borut Zrim & Jožek Špilak

M. Sobota, 21.12.2021

List of Presence: Photo at the beginning of event

Close Participants (38)

🔍 Search

J	Jožek Špilak Pom. Park (me)	🎤 📹 >
)H	Digitalno središče... (Host)	☁ 🎤 📹 >
DS	DIH Slovenia (Co-host)	☁ 🎤 📹 >
T	DIH Slovenia (Co-host)	☁ 🎤 📹 >
AL	Aleksandra Lepenik	🎤 📹 >
AP	Alen Pivk	🎤 📹 >
A	Aleš Dremel	🎤 📹 >
AC	Amal Charles	🎤 📹 >
	Ana Vizovišek	🎤 📹 >
B	Brigita Gajšek	🎤 📹 >
CM	Clarissa Marquardt	🎤 📹 >

Close Participants (38)

RS	Roland Sommer	🎤 📹 >
	Rudi Panjtar	🎤 📹 >
	Sarah Hedden	🎤 📹 >
S	Sebastjan Šlajpah	🎤 📹 >
TS	Teja Setnicar, BTC d.d.	🎤 📹 >
TM	Tobias Müller (KIT)	🎤 📹 >
	Tomaž Bergant	🎤 📹 >
T	Tomislav Vahčič	🎤 📹 >
WS	Walter Schrittwieser	🎤 📹 >
Z	Zoran Marinšek	🎤 📹 >
Ž	Živa Antauer	🎤 📹 >
S	SIMONA ŠINKO	📹 >

Close Participants (38)

B	Brigita Gajšek	🎤 📹 >
CM	Clarissa Marquardt	🎤 📹 >
D	Daniel	🎤 📹 >
EM	Elena Mossali	🎤 📹 >
EA	Erih Arko	🎤 📹 >
GG	Giovanni Godena	🎤 📹 >
J	Joanna Prusak-Cieślik	🎤 📹 >
KK	Klaudija Kozel - TECES	🎤 📹 >
LS	Laura Salomon	🎤 📹 >
MF	Maja Ferlinc	🎤 📹 >
MM	Marko Munih	🎤 📹 >

Close Participants (38)

MR	Marko Rudolf	🎤 📹 >
MD	Martin Dan	🎤 📹 >
MG	Matej Gajzer	🎤 📹 >
MF	Matjaz Fon	🎤 📹 >
M	Matjaž Mihelj	🎤 📹 >
	Mojca Indihar Štemberger	🎤 📹 >
RS	Roland Sommer	🎤 📹 >
	Rudi Panjtar	🎤 📹 >
	Sarah Hedden	🎤 📹 >
S	Sebastjan Šlajpah	🎤 📹 >
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