

D.T3.5.2

## SPECIALIZATION MATCHMAKING

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Slovakia

Version 2  
03/2022

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Author(s): SBA, CIKE





# DIGITAL DATA IN INDUSTRIAL PRODUCTION

**Date:** 23.2.2022

**Location:** Zoom - online event

## Project relevance:

D.T3.5.2 Specialization Matchmaking

## Participants:

// Number of participants: 13

// Participant structure:

6 AVM

5 CCI

2 Other (Project partners from CIKE and SBA)

Workshop led by: Matej Korytár (RapidNext s.r.o.), Peter Benkovský (Colab a.s.)

Moderated by: Andrej Špánik (SBA)

Target groups: CCIs, AVM, other business representatives, professional public

## Event

### DESCRIPTION

The event was created based on the feedback from the participants of the Technology Workshop (July 2021) when we found out that the topic of digital data is not mastered well by designers and other creative representatives since the current university curricula covers the topic only marginally.

Proper data preparation for modern industrial production is still a major barrier to effective cooperation between the creative industries and manufacturing companies. The aim of this workshop was to help demystify ambiguities and figure out how to approach data creation correctly, in order to minimize errors and increase the quality of collaboration and the product itself. It also concentrated on engaging CCI and AVM representatives in a dialogue about the digital data with the aim to understand better views and expectations of both sides and contribute to joint understanding.

The workshop was led by the two experienced professionals and business men, Matej Korytár (Rapidnext s.r.o.) and Peter Benkovský (Colab a.s.) and moderated by Andrej Špánik (SBA).

The event consisted of the theoretical as well as practical part. After a brief introduction into the world of digitalization, automation and Industry 4.0, benefits of properly prepared data were presented together with production data for subtractive methods of production as well as 3D printing. In the second half of the event, demonstration of incorrect data followed. In addition, attendees got answers to the following questions: How and why do such mistakes arise? How to fix them? How to avoid such mistakes?

After the practical part networking and discussion session among participants followed. Many questions were directed to workshop tutors. Our moderator, Andrej Špánik, encouraged participants to introduce themselves, share their feedback on the



event, lessons learned and exchange ideas. Since both target groups were represented almost evenly (6 AVM and 5 CCI representatives) the networking part was very interesting and “alive”.

## LESSONS LEARNT

According to the attendees, the topic proved to be highly relevant. The following lessons learnt were drawn:

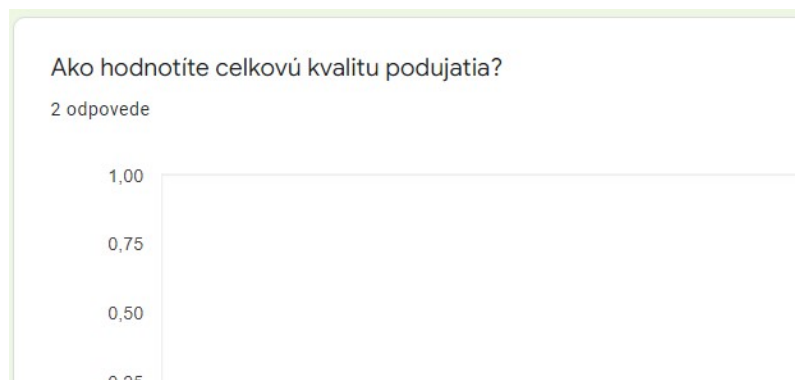
- the event hit the need of the market;
- the necessity to dig deeper into the topic, the need for further educational activities;
- the need to bring the topic closer to educational institutions;
- the topic could serve as an inspiration for further projects.

In addition, on one hand, an online format for networking is not easy and as effective as an offline one. Because of another wave of pandemics, the event had to be conducted virtually. On the other hand, with an experienced moderator, the discussion can be even more interactive than expected.

## FEEDBACK

Almost all participants were present throughout the event from start to its end which implies their interest in the given topic. At the end of the event, our moderator, Andrej Špánik from SBA, encouraged participants to share whether the event was relevant to them. All of them claimed their satisfaction with the provided information, examples and networking. Some creative representatives were even embarrassed in what format and how they communicated with manufacturing representatives in the past.

Only two participants filled out our feedback form. The overall quality of the event was highly appreciated by both respondents, but more valuable feedback was shared during the event as described above.



## FOLLOW-UP

After the event, we sent to the participants:

- event recording,
- invitation to the COCO4CCI Final Conference and,
- a feedback form.

## OUTPUT

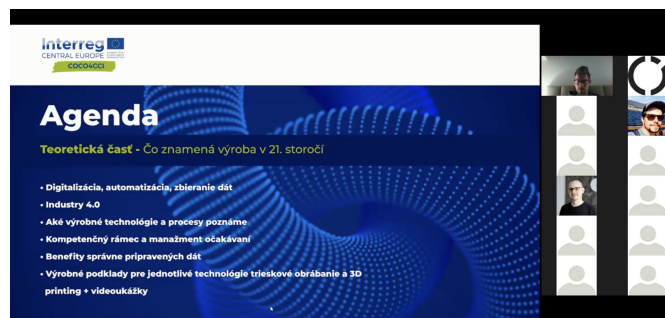
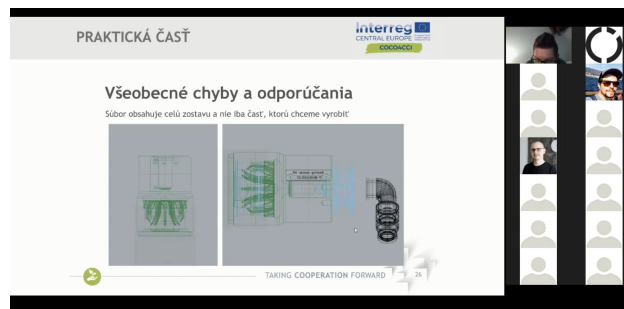
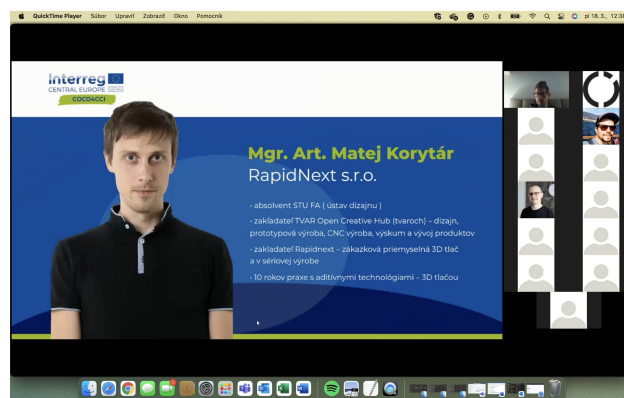
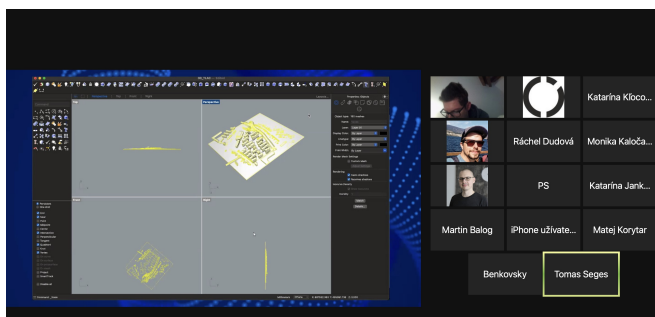
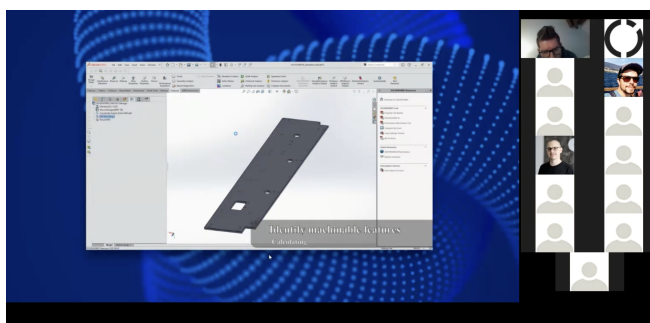
The event was recorded and the video (in Slovak) is publicly available on the YouTube channel of CIKE [here](#) for further educational purposes.



Digitálne dáta v priemyselnej výrobe - technologický workshop

26 zhladnutí • 28. 2. 2022 1 NEPÁČI SA MI ZDIELAŤ ULOŽIŤ ...

## PHOTOS



## ANNEX 1: Agenda

### Workshop: Digitálne dáta v priemyselnej výrobe

4. feb 2022 | Kristína Verešová



Správna príprava dát pre modernú priemyselnú výrobu je stále veľkou bariérou pri efektívnej spolupráci medzi kreatívnym priemyslom a výrobnými spoločnosťami. **Tento workshop má za cieľ pomôcť demystifikovať nejasnosti a predstrieť spôsob ako správne pristúpiť k tvorbe dát, aby sa minimalizovala chybovosť a zvýšila tak kvalita spolupráce a výrobku samotného.**

Podujatie sa uskutoční **23. februára 2022 od 9:00 do 12:00** v online priestore a je určené pre kreatívcoch ako aj zástupcov pokrokových výrobných podnikov. **Na podujatie je potrebné sa vopred registrovať cez tento formulár.**

Agenda podujatia je rozdelená na **teoretickú** a **praktickú časť**:

#### **Teoretická časť**

##### **Úvod**

- Čo znamená výroba v 21. Storočí. – digitalizácia, automatizácia, zbieranie dát
- Digitalizácia a automatizácie výroby, Industry 4.0
- Aké výrobné technológie a procesy poznáme
- Kompetenčný rámec a expectation management / čo očakáva klient od dodávateľa a naopak / ?

##### **Benefity správne pripravených dát**

- Úspora času → úspora prostriedkov
- Rýchlejšie vytvorenie cenovej ponuky
- Väčšia ochota spolupracovať
- Automatizácia → jednoduchšie získanie potrebných údajov pre výpočet CP → úspora času a peňazí

##### **Výrobné podklady pre jednotlivé technológie trieskové obrábanie a 3D printing + videoukážky**

- Pre každú technológiu existujú viac či menej vhodné výrobné formáty
- Existuje veľké množstvo softvérov, v rôznych cenových hladinách. Niektoré sú viac univerzálne niektoré menej a prečo s nimi pracujeme
- Typy súborov aké existujú a prečo sú vhodné pre danú technológiu
- Open source softvér (áno / nie ?)



## Praktická časť

- Ukážky zlých výrobkov pretože boli zlé dáta zo strany klientov
- Ukážka zlých dát – common practice, obrazová dokumentácia, resp video ukážka
- Ako a prečo také chyby vznikajú?
- Ako ich opraviť, kontrola dát ( softvérovo ošetrené utility )
- Ako daným chybám predísť?

### Účasť na podujatí je bezplatná, no máme limitovaný počet miest.

Organizátor si vyhradzuje právo na výber účastníkov, úpravu programu a prípadnú zmenu termínu.

Podujatie je súčasťou série 2 nadväzujúcich podujatí pre kreatívco. Prvým podujatím bol **Service design workshop**, ktorý sa uskutočnil **4. februára 2022**.

*Projekt je financovaný z grantovej schémy Interreg Central Europe.*

## ANNEX 2: List of participants

| Name                                   | Initials | Mute | Video | Chat |
|--|----------|------|-------|------|
| Ladislava (CIKE) (Host, me)            |          | Off  | Off   | On   |
| Andrej_SBA (Co-host)                   | A        | Off  | Off   | On   |
| Benkovsky                              | B        | Off  | Off   | On   |
| Katarína Jankechová                    | KJ       | Off  | Off   | On   |
| Katarína Kľocová                       | KK       | Off  | Off   | On   |
| Lukas Lasak                            |          | Off  | Off   | On   |
| Martin Balog                           | MB       | Off  | Off   | On   |
| Matej Korytar                          | MK       | Off  | Off   | On   |
| Monika Kaločaiová, Levické mliekárn... | MK       | Off  | Off   | On   |
| Pavol Capik                            |          | Off  | Off   | On   |
| PS                                     | P        | Off  | Off   | On   |
| Ráchel Dudová                          | RD       | Off  | Off   | On   |
| Tomas Seges                            | TS       | Off  | Off   | On   |

| Participant         | Participant           | Participant      | Participant |
|---------------------|-----------------------|------------------|-------------|
| Ráchel Dudová       | Monika Kaločaiová,... | Katarína Kľocová | PS          |
| Katarína Jankechová | Martin Balog          | Matej Korytar    | Benkovsky   |
| Tomas Seges         |                       |                  |             |