

# OUTPUT FACT SHEET

Tools

Version 2

Project index number and acronym	CE 1064 AMiCE
Output number and title	O.T.1.2 Innovation 4.0 knowledge sharepoint - challenges of additive manufacturing and of circular economy
Responsible partner (PP name and number)	University of Applied Sciences Zittau/Görlitz, PP2
Project website	<a href="https://www.amice-alliance.eu/">https://www.amice-alliance.eu/ /</a>
Delivery date	31.07.2020

## Summary description of the key features of the tool (developed and/or implemented) and of its transnational added value

In the AMiCE project, an e-platform was developed to make information, research results and challenges in the fields of Additive Manufacturing (AM) and Circular Economy (Circ) accessible to the public, especially for interested SME stakeholders. In addition, extensive information services on support and funding programs, contact opportunities with experts, events, expert interviews and cooperation opportunities in the areas under consideration have been created. The platform is available in English and is published at the URL [www.amice-alliance.eu](http://www.amice-alliance.eu).

The e-platform consists of the following areas, which can be accessed via the navigation on the website:

### 1. KNOWLEDGE:

- Benefits & trends in the areas under consideration
- Challenges & Requirements in adopting AM & CIRC

## 2. SOLUTIONS & SUPPORT

- Financial support to find a suitable support program and get support from local experts
- Hands on opportunities regarding education & training and possibilities to get specific expert advice and excess to pilot lines
- Expert interviews and success stories of regional players in AM and CIRC

## 3. MAGAZINE / NEWS

- Information about current movements in the participating project regions within the framework of circular economy and additive manufacturing.

## 4. EVENTS

- Upcoming events by the AMiCE consortium

In addition, the e-platform informs about the AMiCE project itself and thus creates an awareness of the links between the regions in AM and CIRC. The content of the platform was created by all AMiCE partners. The tool was tested by the partners and went through several feedback and improvement loops.

### **NUTS region(s) where the tool has been developed and/or implemented (relevant NUTS level)**

The technical infrastructure of the e-platform was developed by the partner HSZG (DED4 and DED 2 (Saxony)). The content and structuring of the platform was organized jointly in the consortium (DED4 and DED 2 (Saxony), PL51 Dolnoslaskie, CZ 04 and CZ 05 (Severozápad and Severovýchod), IT C3 Liguria, SK 03 and SK 01 (Stredné Slovensko and Bratislavský kraj); outside CE-region: ES 51 Cataluna).

The e-platform was implemented and is maintained by the partner HSZG (DED4 and DED 2 (Saxony)).

### Expected impact and benefits of the tool for the concerned territories and target groups

Additive manufacturing (AM) and circular economy (CIRC) have not yet been fully integrated into industrial value chains, despite immense scientific and economic interest. However, for different reasons, both technology routes will centrally influence production technologies in the medium term and significantly change the way products are manufactured. Furthermore, the backbone of the AMiCE regions are small and medium-sized enterprises. Due to limited financial and infrastructural resources of SMEs, accompanying and supporting measures are necessary to enable the rapid development of the companies at the state of the art in science and technology in AM and CIRC.

The e-platform developed in the AMiCE project represents such an urgently needed activity. The targeted stakeholder groups receive information and assistance regarding funding opportunities, explore the latest trends & innovations in interregional labs and improve their skills in AM and CIRC. Furthermore, the e-platform enables networking and promotional effects for AM and CIRC per se.

Finally, the e-platform allows to raise the national view and to identify synergies with other European regions. This is true for SMEs as well as for research institutions and the project partners themselves. The AMiCE consortium believes that trans-European technology development is necessary in the areas under consideration.

### Sustainability of the tool and its transferability to other territories and stakeholders

The e-platform was developed with a content management system and a modern user interface. The structure of the website was purposely chosen to allow the integration of further technology routes, sectors and regions. The simplest possibility is the integration of further events and news into the corresponding sections.

A useful extension is a fine classification of AM and CIRC into different sectors, since the degree of utilization of these technologies in particular and modern manufacturing processes in general is basically different in different industrial sectors. In particular, automotive, energy, construction and aerospace should be mentioned here.

The second reasonable extension would be the integration of further European countries and regions. Due to the geographical distribution of the AMiCE consortium, an expansion in Eastern and Southern Europe makes the most strategic sense before further expansion steps should be considered. Both steps were discussed in the consortium. Furthermore, an integration in the AMULET project starting in September 2021 is discussed. However, an adaption to further purposes has not yet started.

The platform is hosted and technically maintained by the AMiCE partner university Zittau/Görlitz. The partner is able to make further adjustments to the e-platform.

#### References to relevant deliverables and web-links If applicable, pictures or images to be provided as annex

The main relevant reference documents regarding the output are the following:

- D.T.1.2.4 “Deployment of the e-platform Review of the E-Info Platform”: summary, technical documentation, Guideline for editors, review and recommendations, etc.
- D.T.1.2.4 “Report: Concept Knowledge Sharepoint”: e-info platform and event concept
- The e-platform itself is accessible via the link [www.amice-alliance.eu](http://www.amice-alliance.eu).