

**Title:** **SUPinDA - A Sustainable Upskilling Platform in Data Analytics**

**Topic:** **Smart and Sustainable Regions**

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SUPinDA is an online platform for talent discovery and upskilling in the Big Data Analytics domain, which is already running by the Data Corner company in collaboration with IPS. This proposal is designed to run across the six higher education institutions of E<sup>3</sup>UDRES<sup>2</sup>.

According to a recent report by European Commission, Europe will face a shortage of 925,000 data professionals by 2025. Besides that, the majority of such high-profile data specialists will receive competitive offers and work in big cities. So, the small and medium-size regions with digital transformation plans toward Industrial Revolution 4.0, would need to become more independent and rely on the local graduates who have been upskilled in data analytics domains. Such a skillful workforce would allow regions to evolve as smart and sustainable data-driven societies and enable them to tackle more significant challenges in accordance with the EC Citizen Science (CS) principles. SUPinDA project would be beneficial for the following Participants and stakeholders:

- Higher education institutions of E<sup>3</sup>UDRES<sup>2</sup> to introduce data talents for upskilling
- Analytics Academy of Data Corner to run the online skills assessment, upskilling programs, and providing the related web-based portals
- The local medium and big companies looking for data professionals as the challenge partners
- The governmental employment organizations as the partners to have access to the data talents portals

Aligned with the strategic goals of the E<sup>3</sup>UDRES<sup>2</sup> framework (items 4.1, 4.2, and 4.4 of Long-term Vision & Mission Statement) and towards getting prepared for the IR 4.0, SUPinDA aims to facilitate the individual learning paths to empower the data talents for the local smart and sustainable regions through the following planned activities:

- A1. Running online skill assessments to identify the existing talents in 6 E<sup>3</sup>UDRES<sup>2</sup> universities
- A2. Upskilling and training the discovered talents in big data analytics and computational thinking
- A3. Building an online portal of upskilled talents in SUPinDA project in 6 E<sup>3</sup>UDRES<sup>2</sup> universities
- A4. Building an online portal for regional companies looking for data professionals
- A5. Running bootcamps among SUPinDA talents to enhance their soft skills as well
- A6. Running hackathons among SUPinDA talents to test their hands-on skills to analyze real datasets
- A7. Developing an AI-Based recommender system to match the SUPinDA Talents with hiring companies
- A8. Providing a feature in the SUPinDA portal for the regional companies to could outsource their Big Data Analytics projects to be done by SUPinDA Talents