

# The Functional print cluster (3NEO) as a hub for 3D printing technologies innovation

**Aaron Cabrera**

Susana Barasoain Arondo

Clúster de Impresión Funcional (Functional Print)  
Parque Tomas Caballero 2  
6ª Planta, oficina 1, 31006 Pamplona

[acabrera@functionalprint.com](mailto:acabrera@functionalprint.com)

There are some 2 900 specialized clusters in Europe that account for about 19% of European jobs and 22% of European wages. They are strong in innovative and high growth firms. There are almost three times as many global frontier firms in specialized clusters than in other locations.

The Cluster of Functional and Additive Printing (Functional Print/3NEO), constitutes a partnership of companies, business associations, technology and knowledge centres involved with the promotion and development of advanced printing in Spain. Promotes innovation and competitiveness of their companies, supporting development of them in all factors: technology, market, solutions and professionals. In 2015, Functional Print was among the six best cluster initiatives in Europe at the Grow your region Forum: "Delivering smart specialization and economic transformation through Clusters". European Panorama of Clusters and Industrial Change [1].

## References

- [1] Mika Naumanen, European Observatory for Clusters and Industrial Change. European Panorama of Clusters and Industrial Change (2019).

## Figures



**Figure 1:** Schematic view of cluster impact over the European industry