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## Clúster 4: Digital, Industria y Espacio Industria

Carlos Toledo

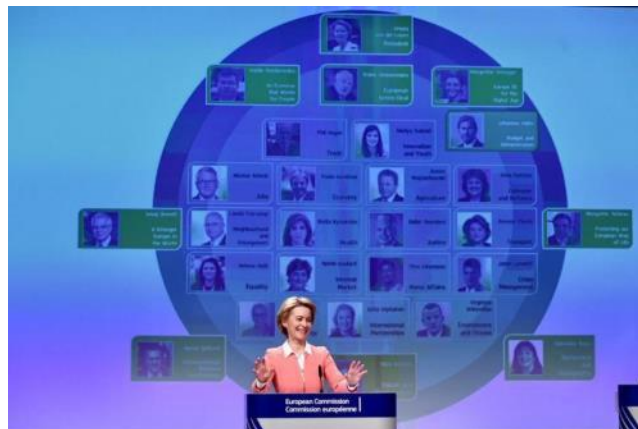


# ADVERTENCIA



**Información PROVISIONAL**  
**Sujeta a cambios**

# La nueva Comisión Europea (2019-2024)



## A EUROPEAN GREEN DEAL

*Striving to be the first climate-neutral continent*

## AN ECONOMY THAT WORKS FOR THE PEOPLE

*Working for social fairness and prosperity*

## A EUROPE FIT FOR THE DIGITAL AGE

*Grasping the opportunities from the digital age within safe and ethical boundaries*

## PROMOTING OUR EUROPEAN WAY OF LIFE

*Building a Union of equality and diversity, standing up for justice and values*

## A STRONGER EUROPE IN THE WORLD

*Strengthening our unique brand of responsible global leadership*

## A NEW PUSH FOR EUROPEAN DEMOCRACY

*Nurturing, protecting and strengthening our democracy*

# La nueva Comisión Europea (2019-2024)

## Twin Transition



# La nueva Comisión Europea (2019-2024)



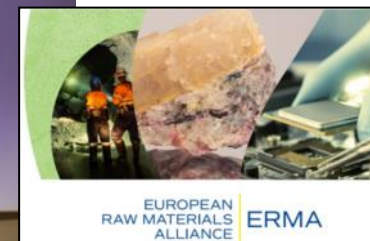
## Resiliencia



# La nueva Comisión Europea (2019-2024)



## Resiliencia





## Pilar 1

Ciencia excelente

Consejo Europeo de Investigación

Acciones Marie Skłodowska-Curie

Infraestructuras de investigación



## Pilar 2

Desafíos mundiales y competitividad industrial europea

Clústeres

- Salud
- Cultura, creatividad y sociedad inclusiva
- Seguridad civil para la sociedad
- **Mundo digital, industria y espacio**
- Clima, energía y movilidad
- Alimentación, bioeconomía, recursos naturales, agricultura y medio ambiente

Centro Común de Investigación



## Pilar 3

Europa innovadora

Consejo Europeo de Innovación

Ecosistemas europeos de innovación

Instituto Europeo de Innovación y Tecnología

## Ampliar la participación y fortalecer el Espacio Europeo de Investigación

Ampliar la participación y difundir la excelencia

Reformar y mejorar el sistema europeo de I+i

 **Pilar 2**  
Desafíos mundiales y competitividad industrial europea

Clústeres

- Salud
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Cluster 4:  
**Mundo digital, Industria y Espacio**

**2021-2022**

**Destination 1:**

Climate neutral, circular and digitised production

**PROCESOS**

*“Twin Transition”*





## Pilar 2

Desafíos mundiales y competitividad industrial europea

Clústeres

- Salud
- Cultura, creatividad y sociedad inclusiva
- Seguridad civil para la sociedad
- **Mundo digital, industria y espacio**
- Clima, energía y movilidad
- Alimentación, bioeconomía, recursos naturales, agricultura y medio ambiente

# Cluster 4: Mundo digital, Industria y Espacio

2021-2022

## Destination 1:

Climate neutral, circular and digitised production

**PROCESOS**

*“Twin Transition”*

## Destination 2:

Increased autonomy in key strategic value chains for resilient industry

**MATERIALES**

*“Resilience”*

# Destination 1: Climate neutral, circular and digitised production

Call: Twin Green and Digital Transition

## Manufacturing



## Construction



## Process Industry



## Destination 1: Climate neutral, circular and digitised production

Call: Twin Green and Digital Transition

### Manufacturing



### Construction



### Process Industry



## Destination 2: Increased autonomy in key strategic value chains for resilient industry

Call: A digitised, resource-efficient and resilient industry

### Raw Materials



### Advanced Materials



### Value Chains - Business



## C4-Destination 1: Climate neutral, circular and digitised **production**



- Green, flexible and **advanced manufacturing**



- Advanced **digital** technologies for **manufacturing**

## C4-Destination 1: Climate neutral, circular and digitised **production**



- Green, flexible and **advanced manufacturing**



- Advanced **digital** technologies for **manufacturing**

- **A New Way to Build,**  
accelerating disruptive change in construction



## C4-Destination 1: Climate neutral, circular and digitised production



© European Union, 2020

- Enabling **circularity** of resources in the **process industries**, including waste and CO<sub>2</sub>/CO
- Integration of **Renewables** and **Electrification** in process industry

## C4-Destination 1: Climate neutral, circular and digitised **production**



© European Union, 2020

- Enabling **circularity** of resources in the **process industries**, including waste and CO<sub>2</sub>/CO
- Integration of **Renewables** and **Electrification** in process industry



- **Hubs for circularity**, a stepping stone towards climate neutrality and circularity in industry

## C4-Destination 2: A digitised, resource-efficient and resilient industry



- **Green and Sustainable Materials**-“Sustainable-by-design”



- **Materials** for the benefit of **society** and the environment and materials for decarbonising Industry



## C4-Destination 2: A digitised, resource-efficient and resilient industry

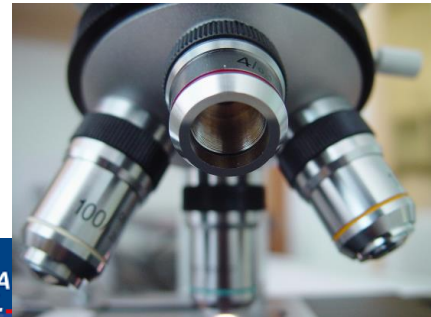


- **Green and Sustainable Materials**-“Sustainable-by-design”



- **Materials** for the benefit of **society** and the environment and materials for decarbonising Industry

- **Materials and data** cross-cutting actions



## C4-Destination 2: A digitised, resource-efficient and resilient industry



- Novel paradigms to establish **resilient** and **circular value chains**
- **Raw materials** for EU strategic autonomy and successful transition to a climate-neutral and circular economy

## C4-Destination 2: A digitised, resource-efficient and resilient industry

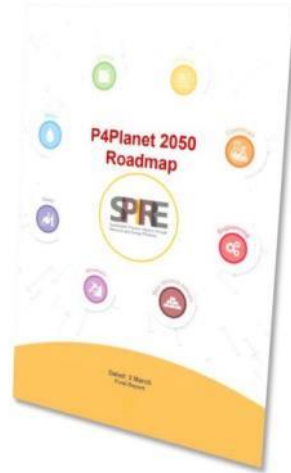


- Novel paradigms to establish **resilient** and **circular value chains**
- **Raw materials** for EU strategic autonomy and successful transition to a climate-neutral and circular economy

- Improving the **resilience** and preparedness of EU businesses, especially **SMEs and Startups**



# Partenariados en Cluster 4 - Industria



## Clean Steel



## Metrología



- Partenariados co-programados

- Partenariado institucionalizado

**Destination 1:**  
**Twin Transition**

Manufacturing



Construction



Process Industry



**PRESUPUESTO :**      2021 ~400 M€      2022 ~ 320 M€

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## **Destination 1:**

**Twin Transition**



Manufacturing

Construction



Process Industry



**PRESUPUESTO :** 2021 ~400 M€ 2022 ~ 320 M€

## **Destination 2:**

**Resilience**

Raw Materials



Advanced Materials



Value Chains - Business



**PRESUPUESTO :** 2021 ~370 M€ 2022 ~ 390 M€

**Destination 1:**  
**Twin Transition**



Manufacturing

Construction



Process Industry



**PRESUPUESTO :** 2021 ~400 M€ 2022 ~ 320 M€

**Destination 2:**  
**Resilience**

Raw Materials



Advanced Materials



Value Chains - Business



**PRESUPUESTO :** 2021 ~370 M€ 2022 ~ 390 M€



**Convocatoria 2021:** Apertura Abril 2021

**Convocatoria 2022:** Apertura Octubre 2021

**Cierre**

**Septiembre 2021**

**Febrero 2022**

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# De NMBP a Cluster 4-Industria



Industrial Leadership  
**NMBP**

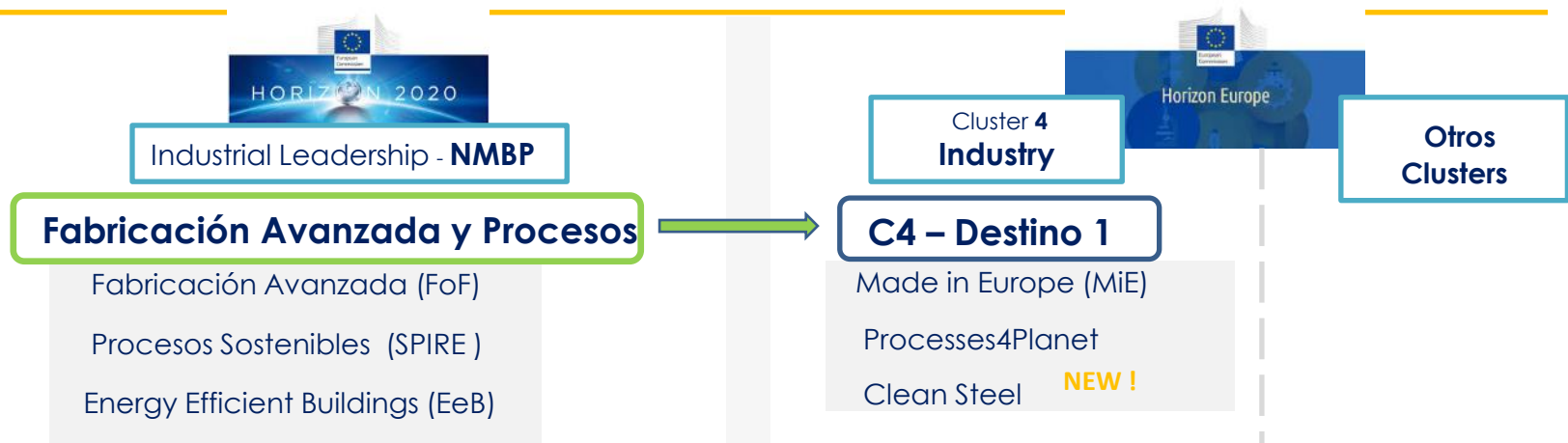


Cluster 4  
**Industry**

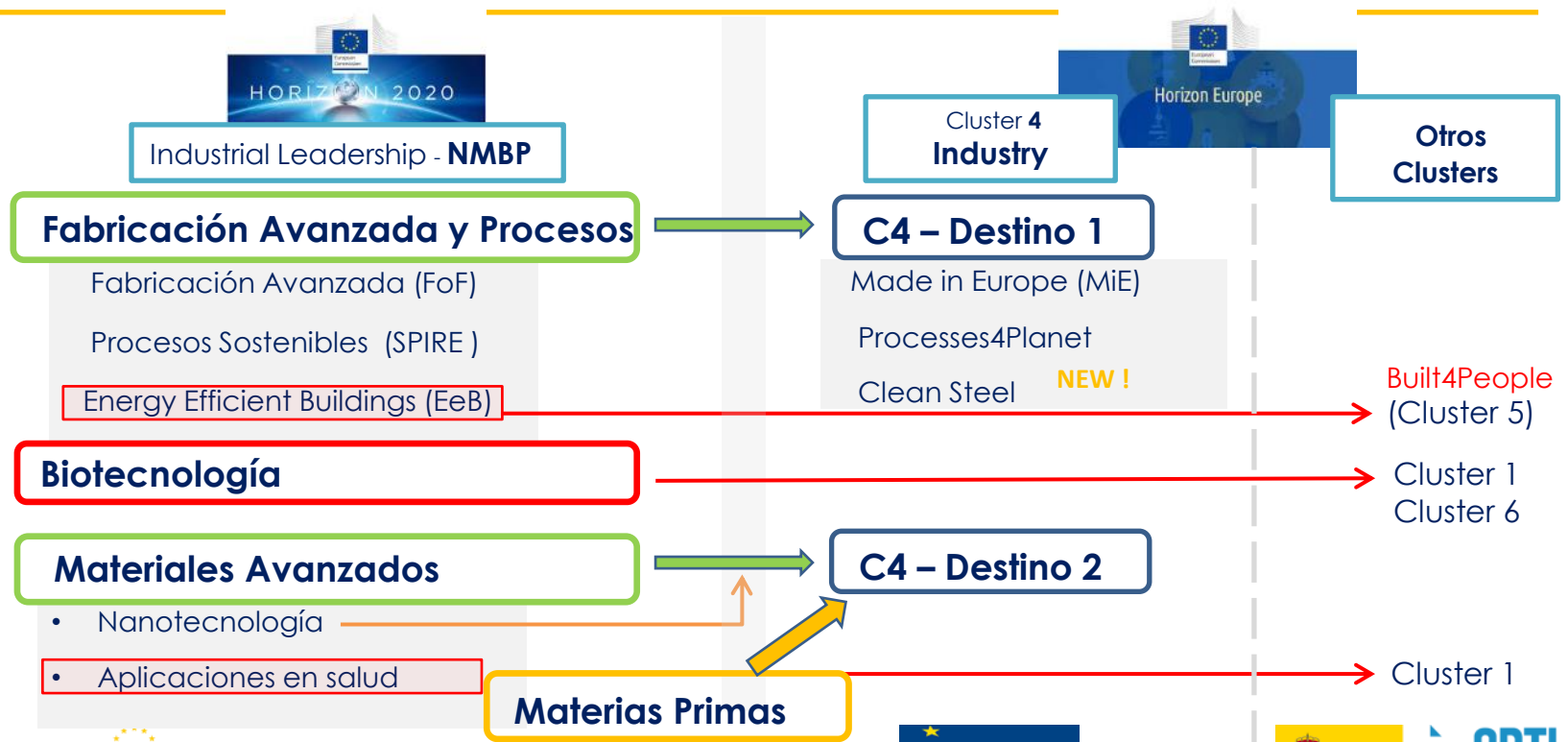
Otros  
Clusters



# De NMBP a Cluster 4-Industria



# De NMBP a Cluster 4-Industria



# Apoyo al participante

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## Clúster 4 – Industria



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