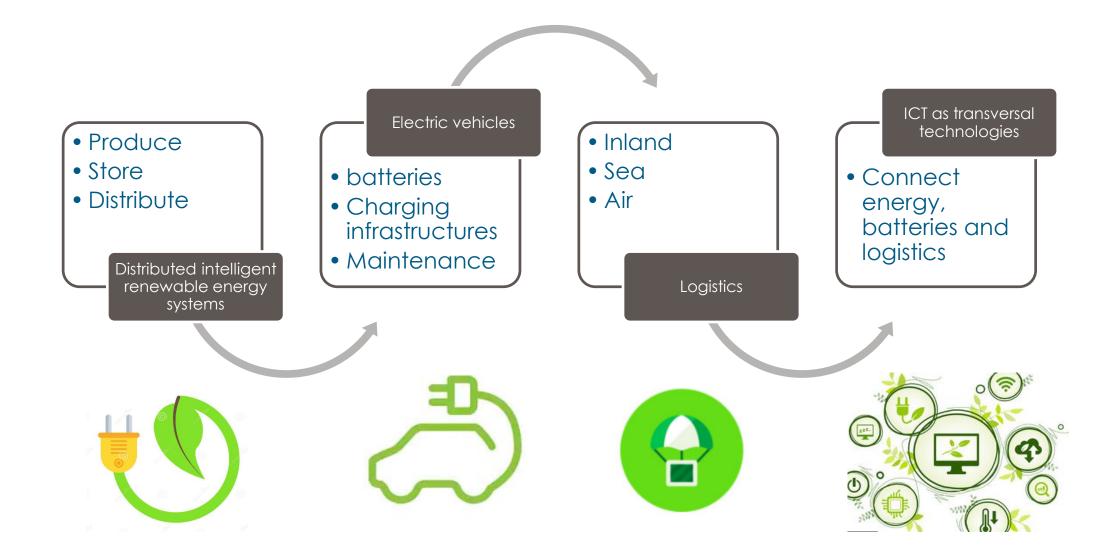
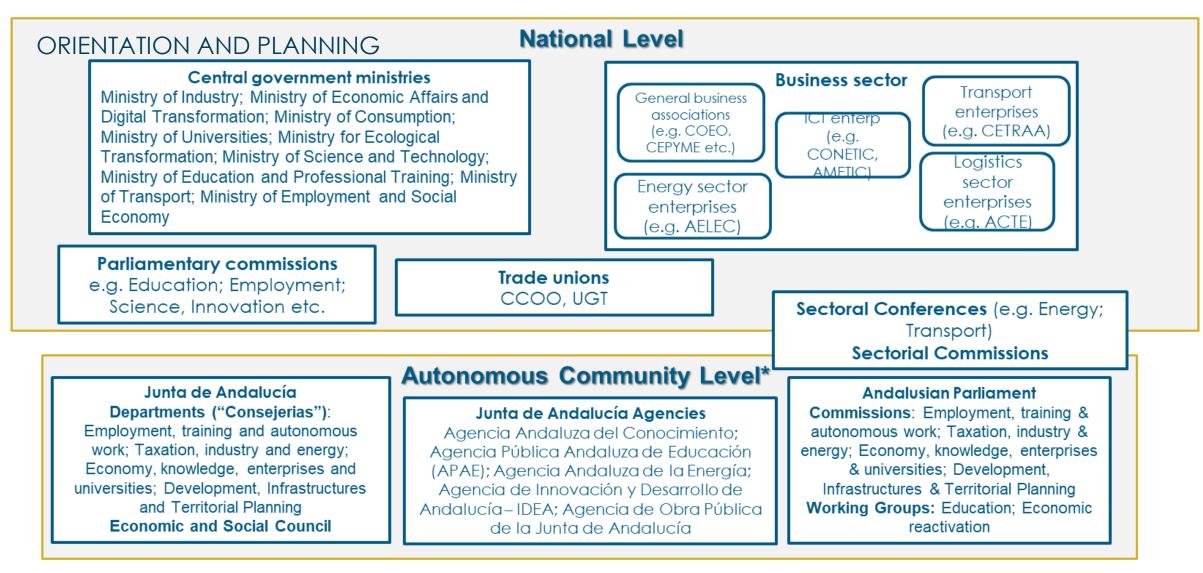
# POINT REVIEW OF INDUSTRIAL TRANSITION OF ANDALUSIA

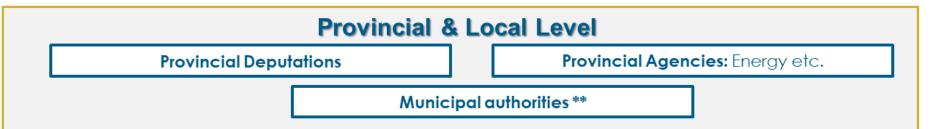
Héloïse Berkowitz, **Totti Könnölä** 

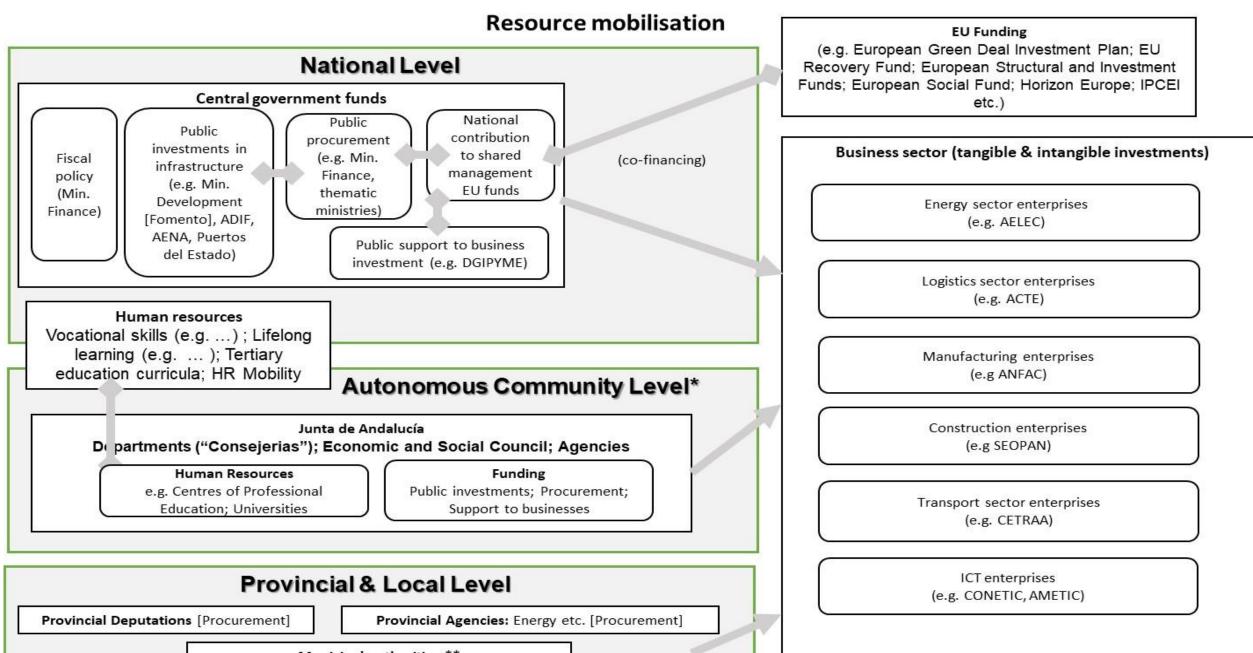
*EWRC, 22/10/2020* 

## POINT REVIEW OF INDUSTRIAL TRANSITION OF ANDALUSIA: KEY AREAS





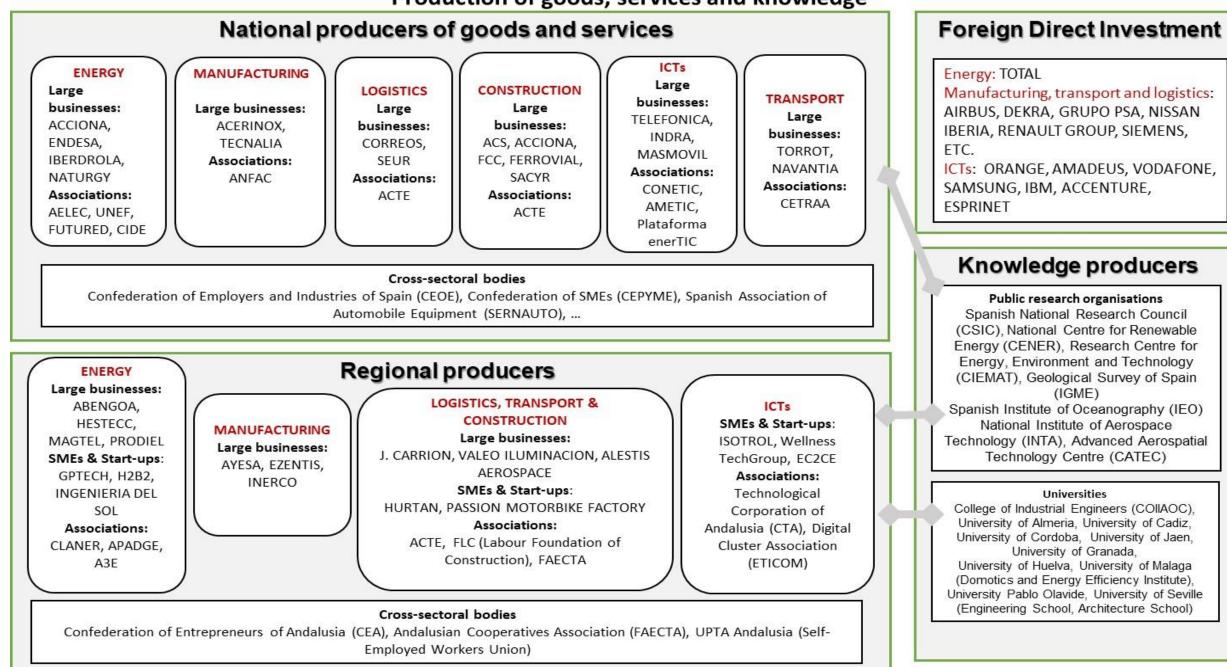




Municipal authorities \*\*

[Procurement]

#### Production of goods, services and knowledge



IBERIA, RENAULT GROUP, SIEMENS, ICTs: ORANGE, AMADEUS, VODAFONE, SAMSUNG, IBM, ACCENTURE,

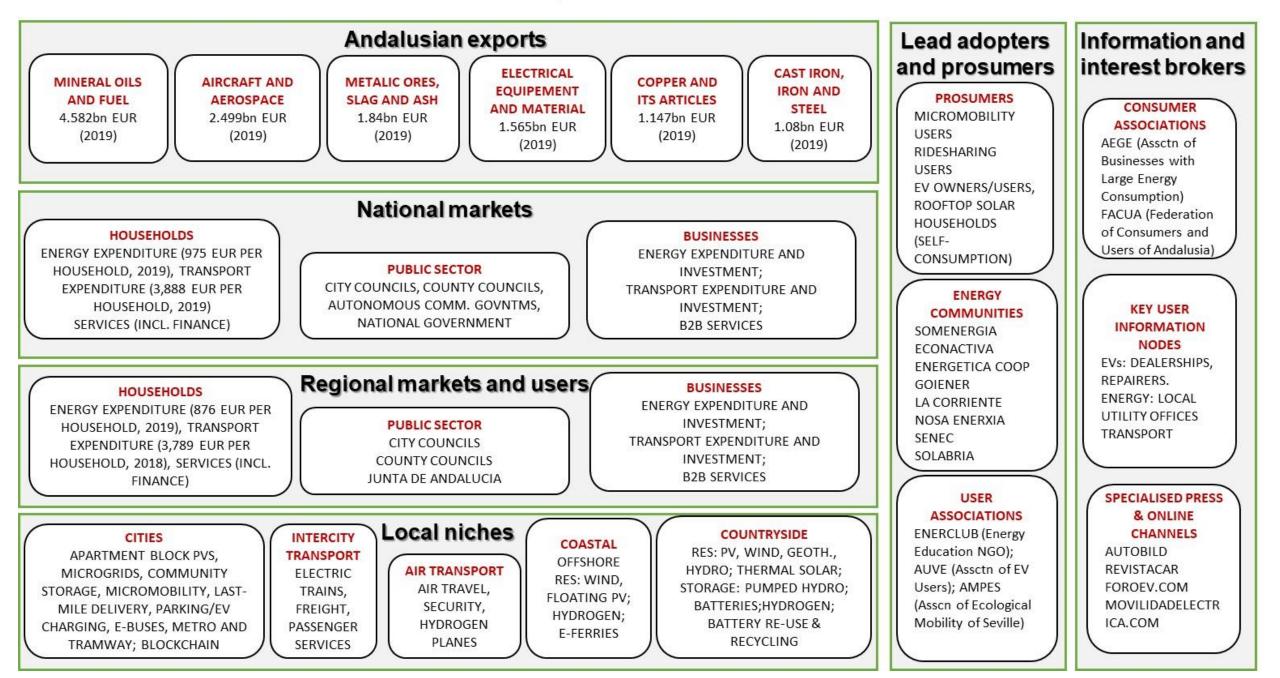
### Knowledge producers

Spanish National Research Council (CSIC), National Centre for Renewable Energy (CENER), Research Centre for Energy, Environment and Technology (CIEMAT), Geological Survey of Spain (IGME) Spanish Institute of Oceanography (IEO) National Institute of Aerospace Technology (INTA), Advanced Aerospatial Technology Centre (CATEC)

#### Universities

College of Industrial Engineers (COIIAOC), University of Almeria, University of Cadiz, University of Cordoba, University of Jaen, University of Granada, University of Huelva, University of Malaga (Domotics and Energy Efficiency Institute), University Pablo Olavide, University of Seville (Engineering School, Architecture School)

#### **Consumption or Use**



# POTENTIAL RECOMMENDATIONS

- Support key agencies for transformative change
- Especially through public procurement
- Address resistance to change
- Accompanying old professions towards transition (e.g. vehicle maintenance) to avoid resistance to change: importance of vocational training / innovation capabilities
- Develop clusters as loci of experimentations
- E.g. through regulatory sandboxes, for instance for Hydrogen
- Drawing on community-driven entrepreneurship
- E.g. by financing (through local crowdlending initiatives, e.g. creating a transition crowdlending platform)
- Develop broad coalitions
- to foster deliberative governance in a whole-of-government mobilization