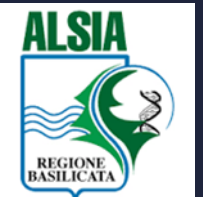




Bioeconomy in the context of Basilicata Region S3

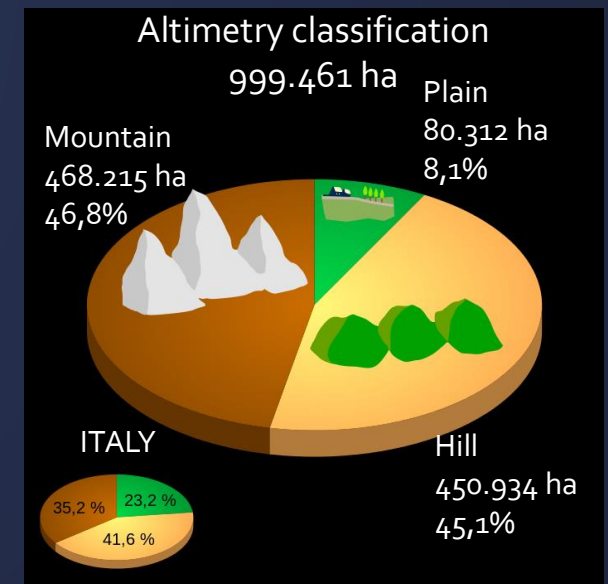
Francesco Cellini, Basilicata Agency of Development and Innovation in Agriculture
(ALSIA)



THE SOCIO ECONOMIC CONTEXT: BASILICATA IS A RURAL REGION



Surface: 9.995 Km²
Population: 576.610
Pop. Density: 57,24/Km²



THE SOCIO ECONOMIC CONTEXT: BASILICATA IS A RURAL REGION



2013 (M€)	
GDP	10.598
GDP per capita	18.410
Added Value	9.714
Agrofood, Forestry	579
Industry	2.767
Food industry	214
Services	6.368
Employed people	199.300
Unemployment rate (%)	13,0

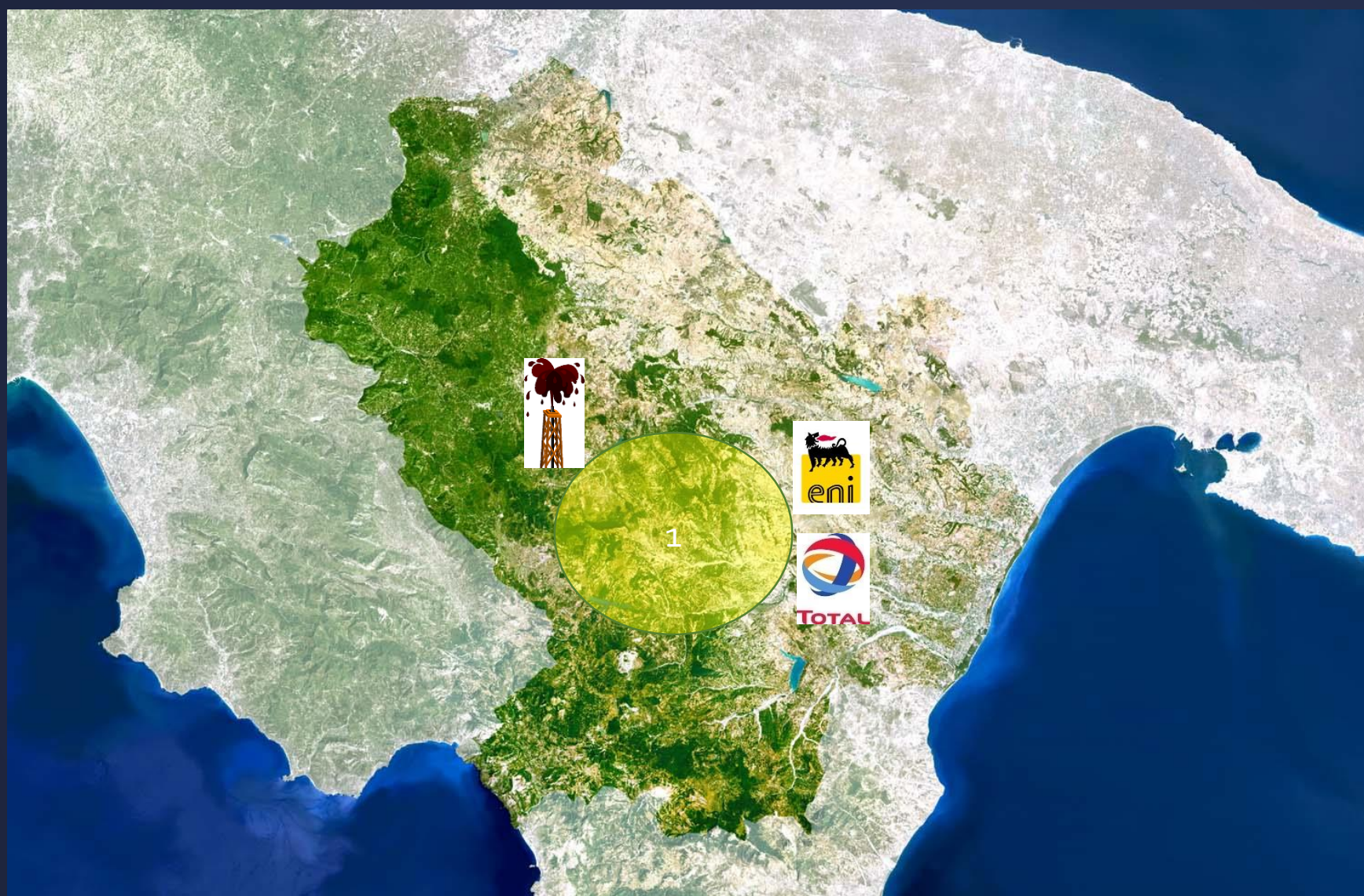
5 PROMINENT PRODUCTIVE CLUSTERS: 1.AGROFOOD



1. Metaponto
2. Vulture-Melfese
3. Val d'Agri
4. Matera Hill
5. Internal areas

793 Meuro
26.600 workers

5 PROMINENT PRODUCTIVE CLUSTERS: 4. ENERGY & ENVIRONMENT



1. OIL EXTRACTION

4.000.000 t/year
8% of italian demand
154 Meuro/year royalties

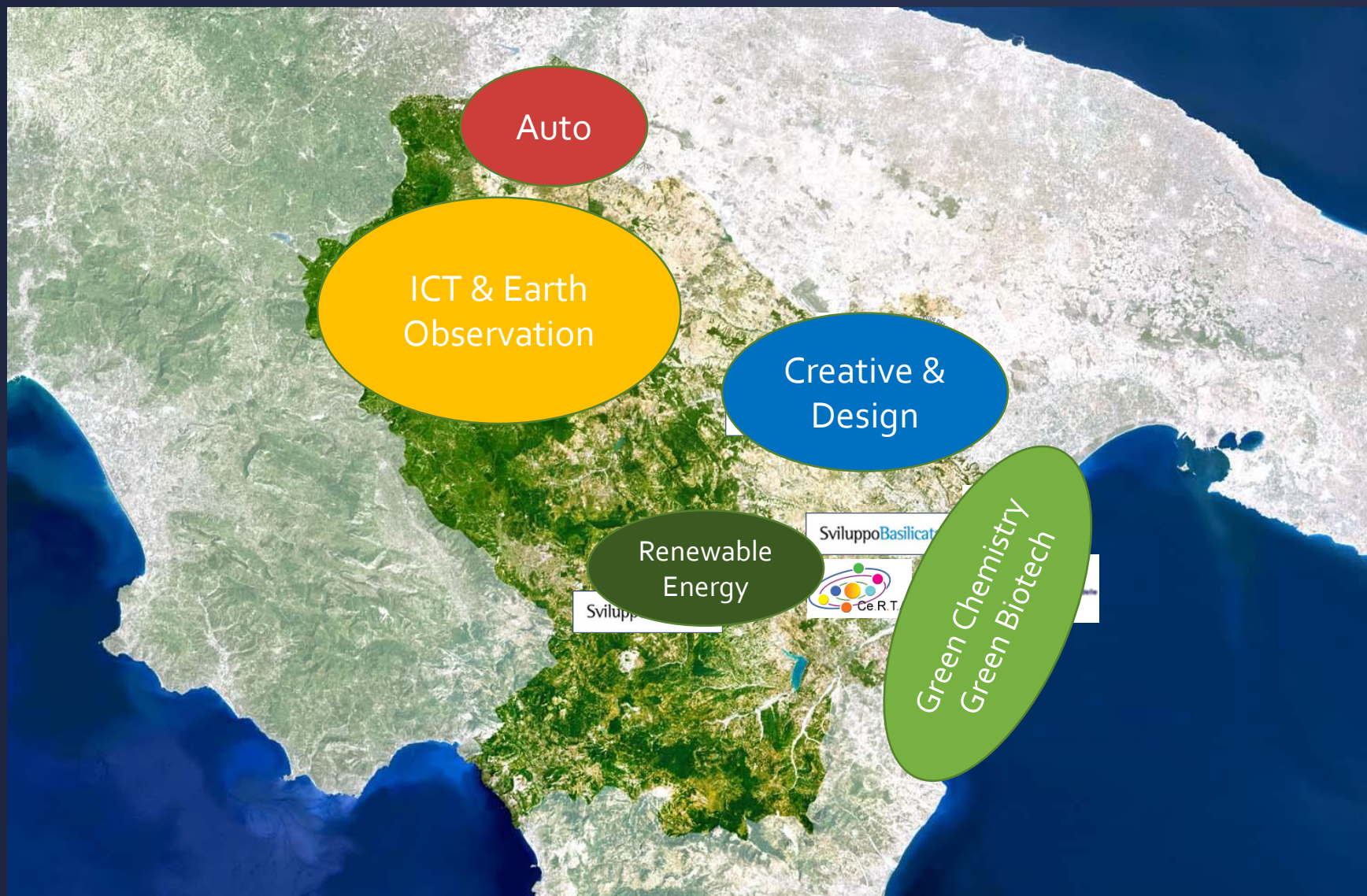
BASILICATA BIOECONOMY RESOURCES AND POTENTIAL



- TAL 719.000 ha
- 1. UAL 542.000 ha
- 2. FOREST 355.000 ha
- 3. Protected area 237.000 ha
- 4. 54.000 farms

- 5 rivers
- 12 reservoir dams
- 8% OF UAL is irrigated
- 500.000 t/y biomass
- Forest biomass underused
- 100.000 ha available
- 15.000 ha irrigated land

BASILICATA BIOECONOMY: INNOVATION ECOSYSTEM



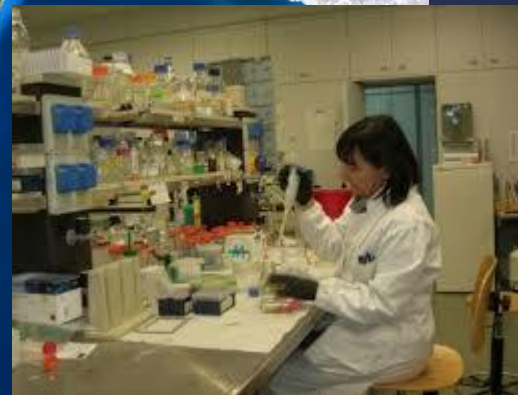
1. University of Basilicata
2. National Agency for Energy
3. National Research Council
4. Agriculture Research Council
5. ALSIA
6. Metapontum Agrobios
7. FCA Campus
8. Italian Space Agency

1. Sviluppo Basilicata
2. Basilicata Innovazione
3. CREATEC scarl
4. CERTA scarl

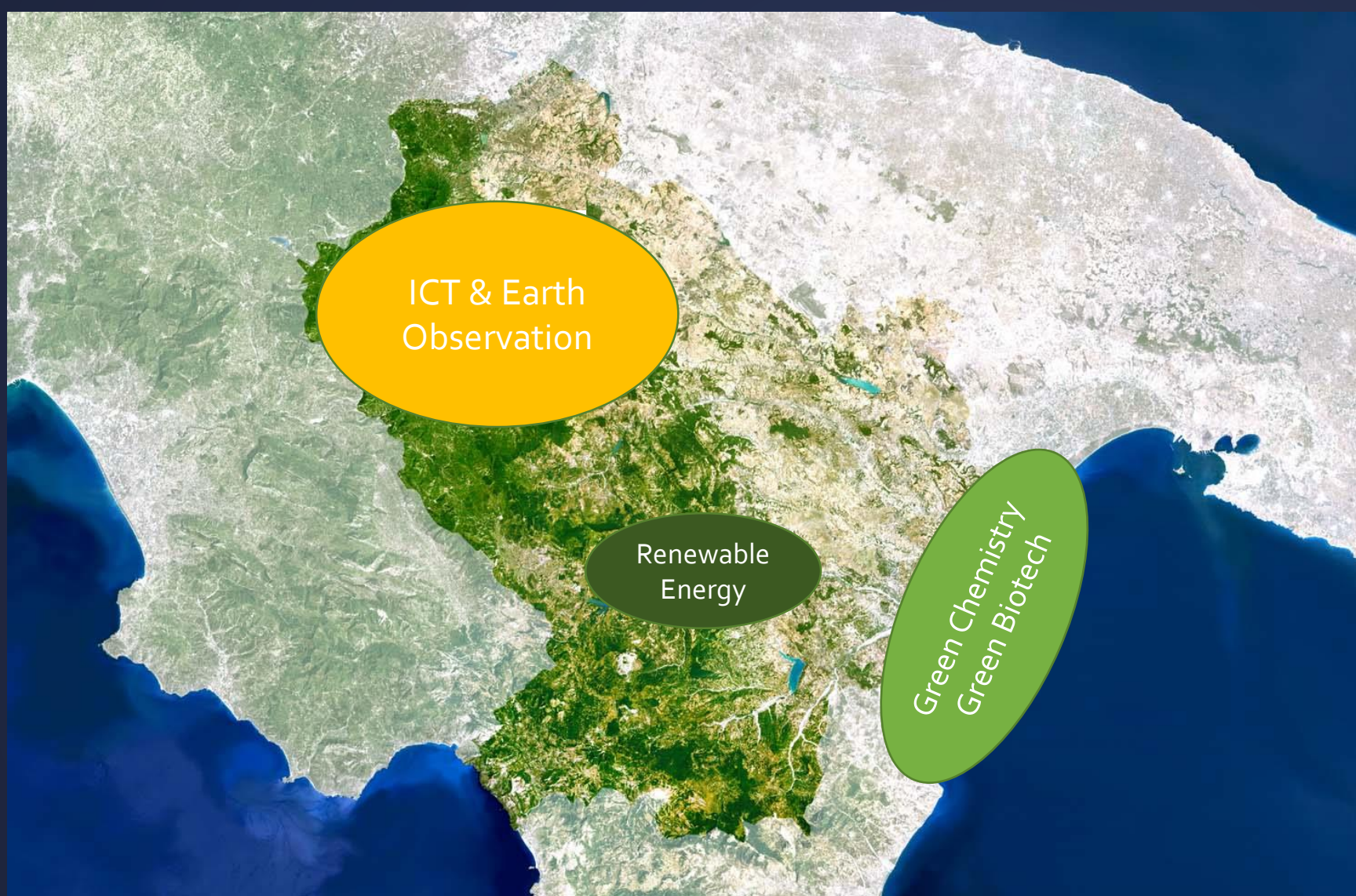
BASILICATA BIOECONOMY FIRST CLASS R&D PLATFORMS



1. Plant Phenomics Platform
2. Food Biotechnology Pilots
3. Biorefineries, Biomass Pilots
4. Agrobiotech labs



BASILICATA BIOECONOMY STRATEGY: GOALS & CHALLENGES



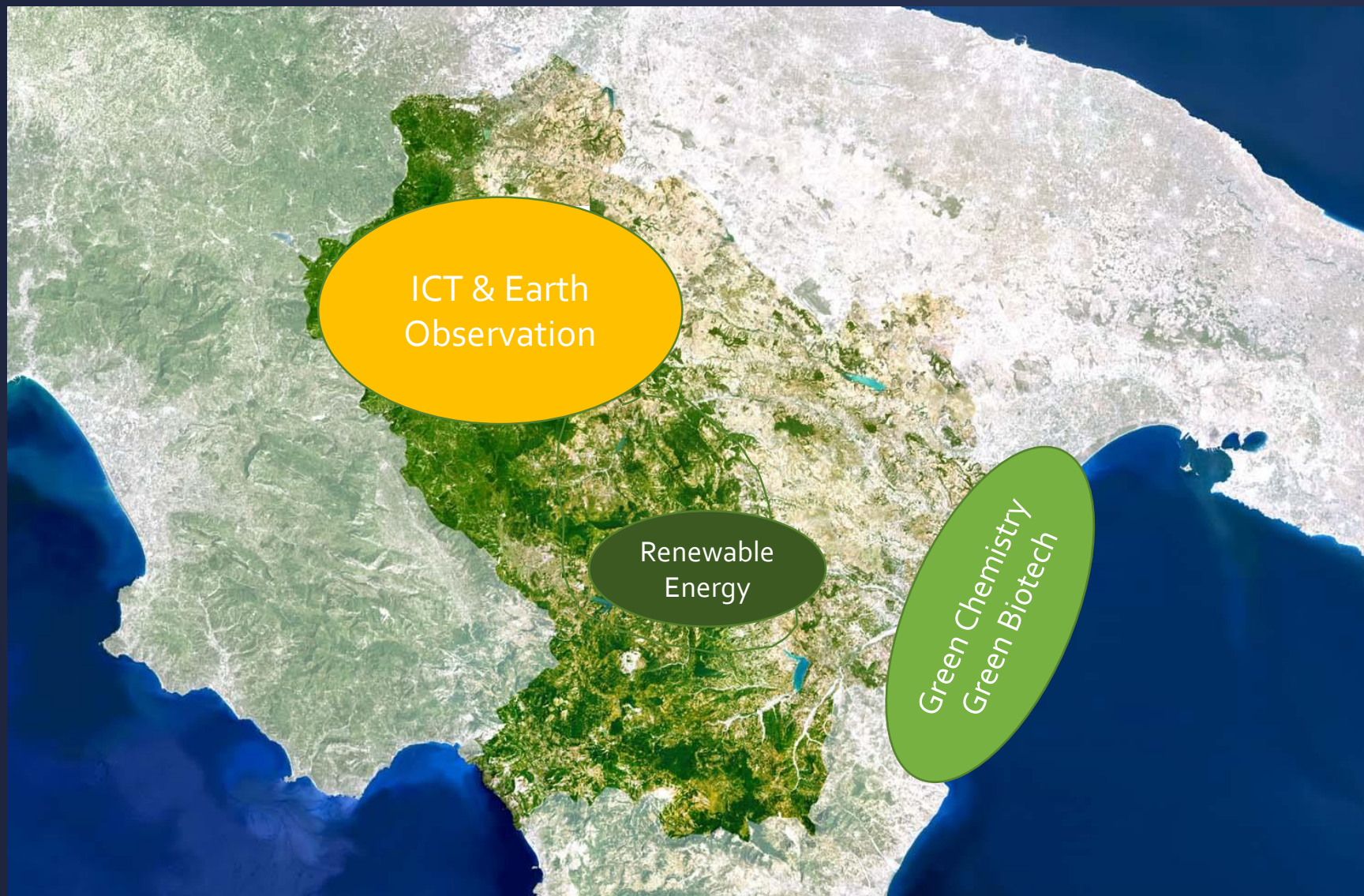
SUPPORT AGROFOOD CHAINS:

- Exploit KETs (Biotech, ICT) for product and process innovation
- Improve environmental sustainability
- Increase company competitiveness and profitability
- Attract young people in bioeconomy
- Increase export

INTRODUCE NEW VALUE CHAINS:

- Biorefineries for agricultural wastes and residual biomasses
- Specialized crops for green chemistry, pharmaceuticals
- Use of marginal lands

BASILICATA BIOECONOMY STRATEGY: NEEDS



- Invest in logistic infrastructures
- Support cooperation (Land pulverization, scarce attitude, large presence of very SMEs)
- Strengthen technology transfer systems
- Close the gap between R&D and enterprises
- Attract external investments (Weak industrial bioeconomy sector, reduced regional private financial power)
- Boost the R&D technology platforms and clusters
- Invest in international and interregional cooperation



THANK YOU FOR YOUR ATTENTION

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