

Asturias Observatory for Just Transition

OTJA

María B. Diaz Aguado, DG Energy and Mining,
Government of Asturias
Carlos Garcia, DG Agency of Energy of Asturias, FAEN



Asturias: Who are we?



Population

Home to over 1 million inhabitants



Economy

Industry 20% GDP

Coal Mining, Energy and GHG intensive industry,

Urban and Rural region



Green paradise

From 722 between the sea and the mountains. Excellent quality of life.



Principado de
Asturias

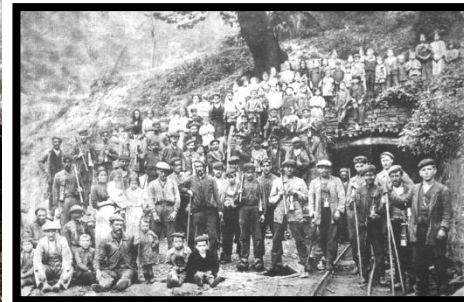
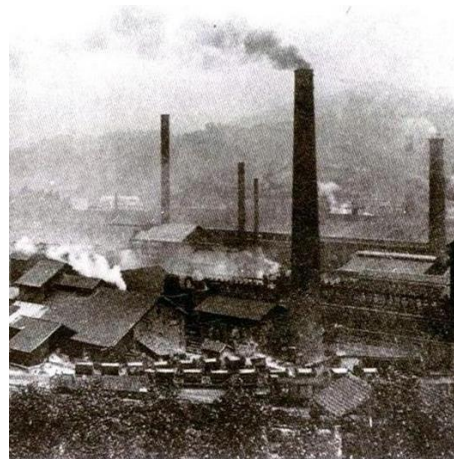
Consejería de Transición
Ecológica, Industria y
Desarrollo Económico

Where do we come from?



Mining and industrial heritage

Asturias' ecosystem based on exploitation of mineral resources and associated energy production facilities



Principado de
Asturias

Consejería de Transición
Ecológica, Industria y
Desarrollo Económico



Where do we come from?

Closure of coal mines

Closure of coal power plants

Industries with high Energy consumption and emissions: steel, cement, paper

48%

Coal of Spain

workers

1985 2021
26000 962

2222 MW

49%

Total installed
POWER

2012-2018

73%

Coal and gas
power plants

20%

GDP

69%

Consumption
energy



Principado de
Asturias

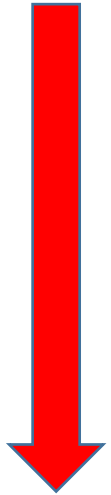
Consejería de Transición
Ecológica, Industria y
Desarrollo Económico





Energy transition as...

- CO2 emissions
- Economic activity
- Employment
- Safety and quality supply



a threat?



Principado de
Asturias

Consejería de Transición
Ecológica, Industria y
Desarrollo Económico



Uncertainty + certain risks: VERTIGO

Public-private dialogue: COOPERATION MODEL

Committee
to evaluate
the impact of
energy
transition in
Asturias.
October
2019

- ASTURIAS GOVERNMENT:
12 DG + FAEN
- **UNIONS**
- ASSOCIATION OF
EMPLOYERS
- MUNICIPALITIES
- UNIVERSITY AND
RESEARCH CENTERS
- OTHER KEY
STAKEHOLDERS

5 working groups:

- Energy
- Industry
- Primary sector
- Tertiary sector
- Environment

Multidimensional approach
A bottom-up strategy



Main results and conclusions

Steps

Involvement regional stakeholders

Document -Executive Summary

Public consultation

Regional position paper in energy transition

Lessons learned

Assessment of potential, capabilities and strengths

Identification of opportunities

Never walk alone: being together through social dialogue

Conclusions

Economic diversification and transformation

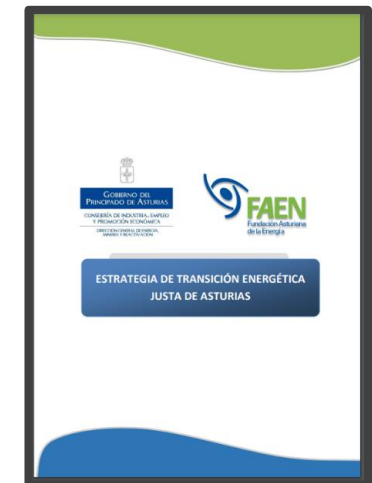
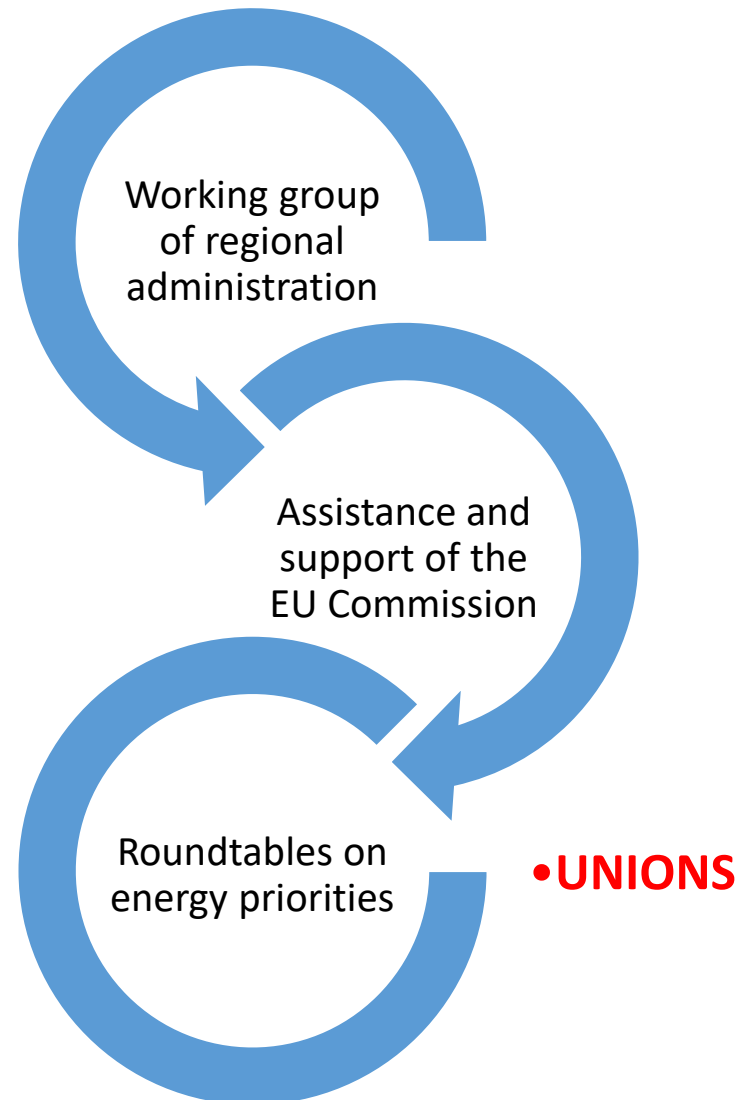
Regional approach. **Need for regional energy strategy**

Need for re-skilling: formative itinerary



Just energy transition strategy of Asturias

Support START program: Coal Regions in Transition Platform Working Groups



Again Cooperation !!



Principado de Asturias

Consejería de Transición Ecológica, Industria y Desarrollo Económico



About people: 4-pillar approach

SKILLS

- Anticipating skills needs
- Skills audits
- Transferability to other sectors
- Linking labour supply and demand

SUPPORT FOR WORKERS

- Information and consultation
- Tailored support for workers, with their involvement
- Specific requirements
- Welfare support



COOPERATION

- Key actors
- Cooperation processes and social dialogues

ECONOMIC DIVERSIFICATIONS AND TRANSFORMATION

- Promotion of new job opportunities
- Jobs in renewable energy and energy efficiency
- Regional structural change



Principado de
Asturias

Consejería de Transición
Ecológica, Industria y
Desarrollo Económico



Main objectives

➤ Our strategy aims to

- create **6,300** new employs in 2030
- mobilize **6,500** millions € investment.

➤ Projects on

- energy storage,
- H2 production and consumption,
- circular economy,
- renewable energy,
- efficiency,
- mobility,
- sustainable mining

➤ Job losses in traditional sectors

-1.480



Principado de
Asturias

AGRICULTURE

New cultivation methods, sustainable waste management, supply of forest and livestock residual biomass for the new biomass and biogas generation plants.

**New
employs
+1.100**

INDUSTRY

R & D & i, manufacturing of goods for processes (CO2 capture, renewable energy, storage, sustainable mobility), production of new materials and fuels (hydrogen).

+1.450

TERTIARY SECTOR

Energy service companies, the construction of power plants (renewable energies), the energy renovation of buildings, the digitization and automation of processes and training tasks for the new skills required.

+4.730

ENVIRONMENTAL SECTOR

Water treatment and purification, waste management and treatment and other environmental services related to the circular economy

+500

Training in new skills related to energy transition

Just Transition in Asturias Measures:

M4.15.3 Promover el acercamiento entre la enseñanza universitaria, formación profesional y formación para el empleo y la industria para favorecer la identificación y adaptación de los perfiles profesionales existentes a los nuevos requisitos derivados de la Transición Energética (energías renovables, eficiencia energética en edificios, eficiencia energética en industria, movilidad alternativa, almacenamiento energético, hidrógeno...)

7-8 July 2022

Oviedo, Spain

Annual Political Dialogue

Initiative for coal regions in transition



European
Commission

Coal Regions in Transition Platform Working Groups

Final agenda

Venue: Oviedo Exhibition & Congress Centre

Address: Calle Arturo A Buylla, 5, 33006 Oviedo, Asturias & Online



EU STRUCTURAL REFORM
SUPPORT SERVICE

July 7 2022

COOPERATION



Los jóvenes abordan la transición ecológica en la Escuela de Minas

La transición ecológica es un asunto del presente, pero llamado a dar sus frutos en el futuro. Como previa a los actos organizados por la Comisión Europea y el Principado para tratar los retos de las regiones europeas del carbón, la Escuela de Minas de la Universidad de Oviedo organizó ayer una mesa redonda entre jóvenes para tratar estos mismos temas y la implicación de las nuevas generaciones en el desafío verde de las regiones que, como Asturias, afrontan el proceso de descarbonización. La jornada fue inaugurada por la ingeniera de minas ovieseña Lucía Camporro, que dio paso a una mesa redonda en la que participaron Pablo García (AJE), Claudia Fernández (Compromiso Asturias XXI), Marina Casero (CC OO), Xuan García Vijande (UGT) y Daniel Sierra (Consejo de la Juventud).



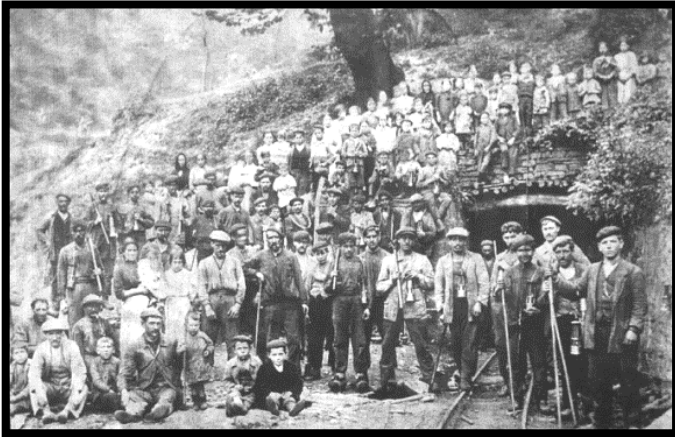
Por la izquierda, Marina Casero, Claudia Fernández, Xuan Vijande, Noelia A. Erazquin, Lucía Camporro, Pablo García y Daniel Sierra. | Luisma Murias



Principado de
Asturias

Consejería de Transición
Ecológica, Industria y
Desarrollo Económico

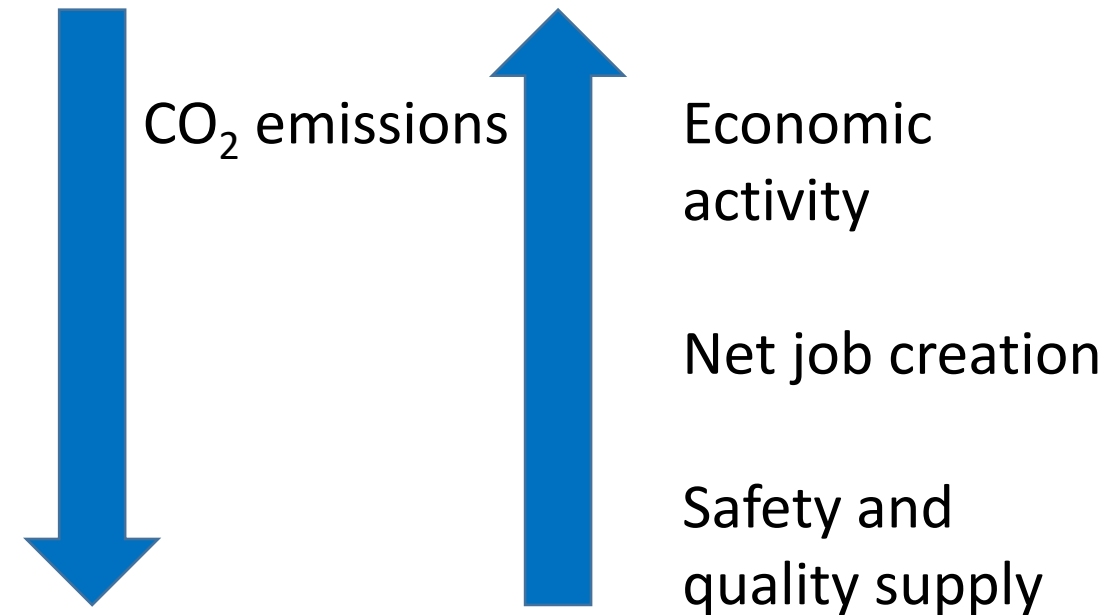
Just transition in coal regions



COOPERATION



We must turn the risks of transition ...into an opportunity!





OTJA



Principado de Asturias

Consejería de Transición
Ecológica, Industria y
Desarrollo Económico



OBSERVATORIO DE TRANSICIÓN JUSTA DE ASTURIAS (OTJA)

Asturias Observatory for Just Transition



Principado de
Asturias





Functions and objectives



The Observatory will evaluate the **evolution of KPIs** related to the Just Transition Process in Asturias, integrating the **participation** of citizens, entities and social organizations, providing the greatest possible **transparency**.

Behind the logo



Observatorio de
Transición Justa
de Asturias

www.otja.es

observation
nature & sustainability
green transition



Principado de
Asturias

Consejería de Transición
Ecológica, Industria y
Desarrollo Económico



Actions

- **Monitoring strategies and KPIs.**
- **Technical reports related on Just Transition in Asturias.**
- **Research and Open Data**
- **Dissemination**
- **Permanent Communication channel with citizens.**



**Principado de
Asturias**

Consejería de Transición
Ecológica, Industria y
Desarrollo Económico

MORE TRANSPARENCY



Composition

Technical coordination



National,
regional, local
administrations

- Regional Government of Asturias
- Association of Municipalities
- Just Transition Institute

Research +
innovation

- University
- Technological centers

Companies and
associations

- Chambers of Commerce
- Association of entrepreneurs

Other
stakeholders

- **Unions**
- Environmental + civil+professional associations

Governance

STAKEHOLDERS

Environmental and
Civil Associations
+
Other stakeholders

CONSULTATIVE COMMITTEE

Unions
+
Employers
+
Associations
+
University / IT

ADVISORY
COMMITTEE
DG Regional
Government
+
ITJ

EXECUTIVE
COMMITTEE
DGEM
FAEN



Principado de
Asturias

Consejería de Transición
Ecológica, Industria y
Desarrollo Económico



Key Performance Indicators

+500 indicators related to energy, climate, employment, economy, ...



ENERGY



ENVIRONMENT



TERRITORY

Main Objectives

Renewable contribution to the final energy supply

Annual figure: 4% 2030 goal: 9%



Renewable contribution to electricity generation

Annual figure: 34% 2030 goal: 72%



Reduction of primary energy consumption

Annual figure: 22% 2030 goal: 26%



Reduction of final energy consumption

Annual figure: 8% 2030 goal: 9%



Reduction of GHG emissions

Annual figure: 54% 2030 goal: 70%



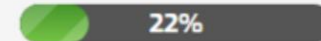
Degree of Self-Supply

Annual figure: 12% 2030 goal: 20.6%



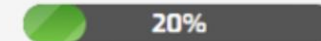
Employment

Annual data: 1,385 jobs 2030 goal: 6,300 jobs



Investment

Annual figure: €1,267 M 2030 goal: €6.5 billion

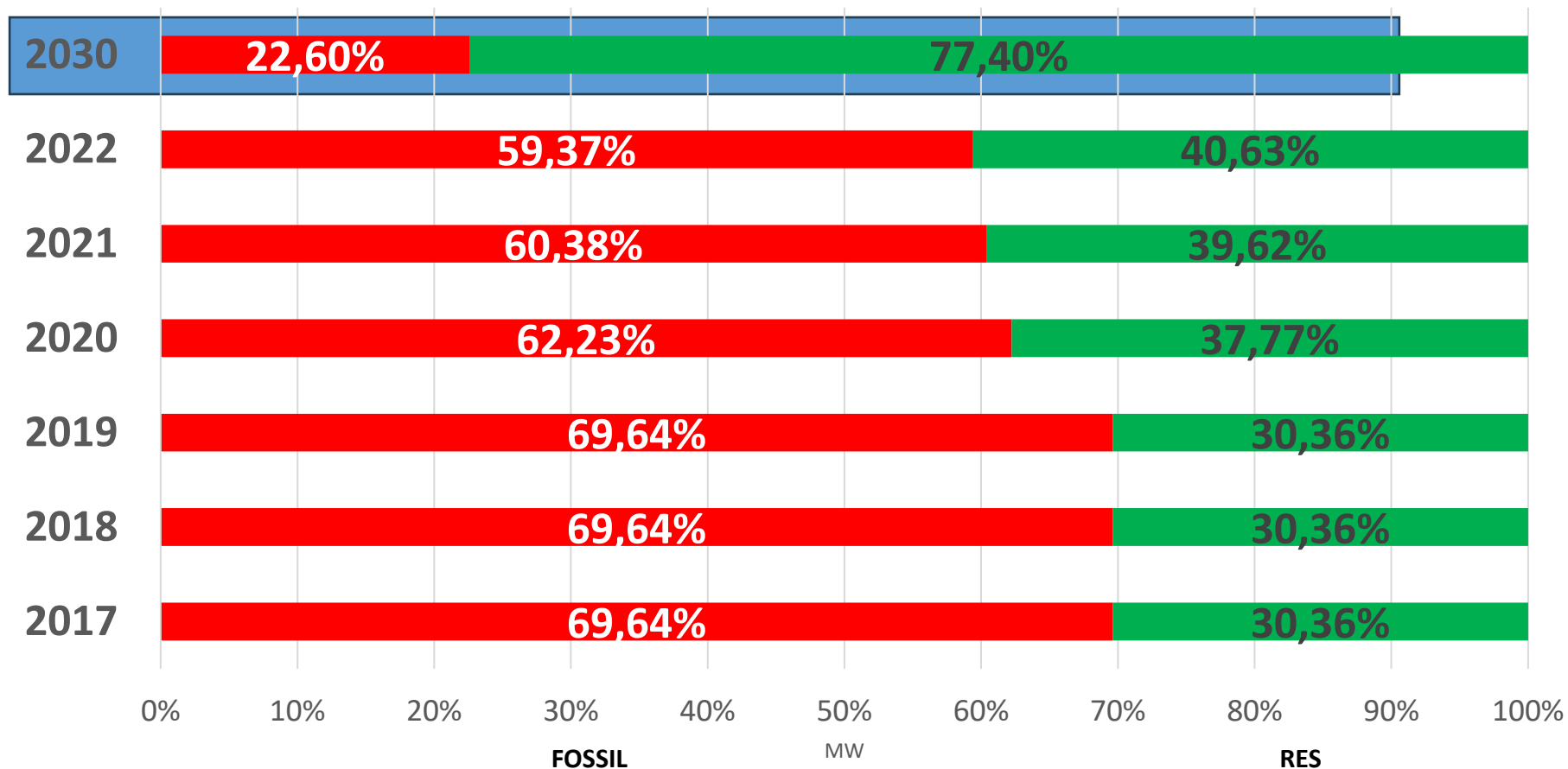


[see more](#)

ANALYSIS TOOL

TARGET 2030

RENEWABLES IN ELECTRICITY PRODUCTION (%)



CALCULATION TOOLS



Energy Transition Strategy



ENERGY



Energy



Emissions



Energy efficiency in buildings



Socioeconomic data



Just transition



Aid



Employment



Investment

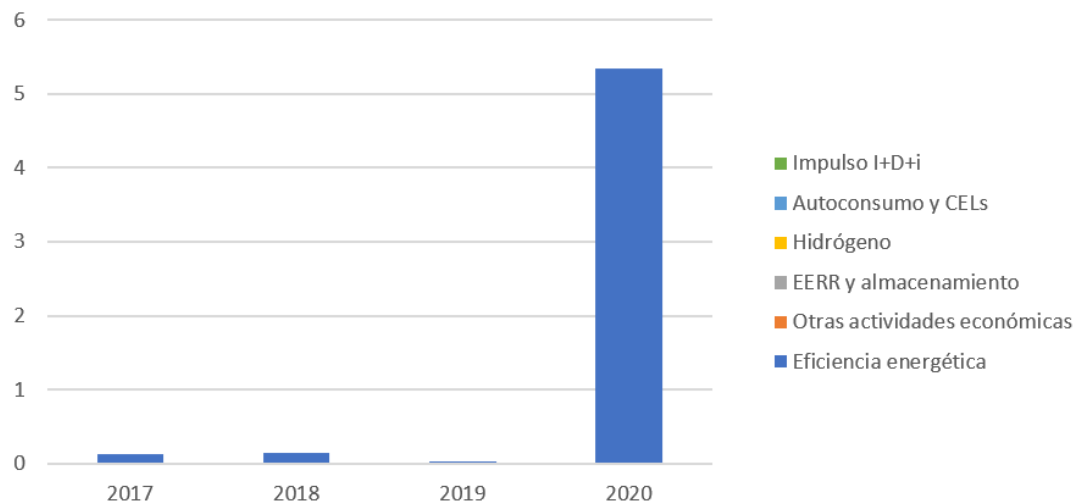


TERRITORY



CLIMATE

Ayudas



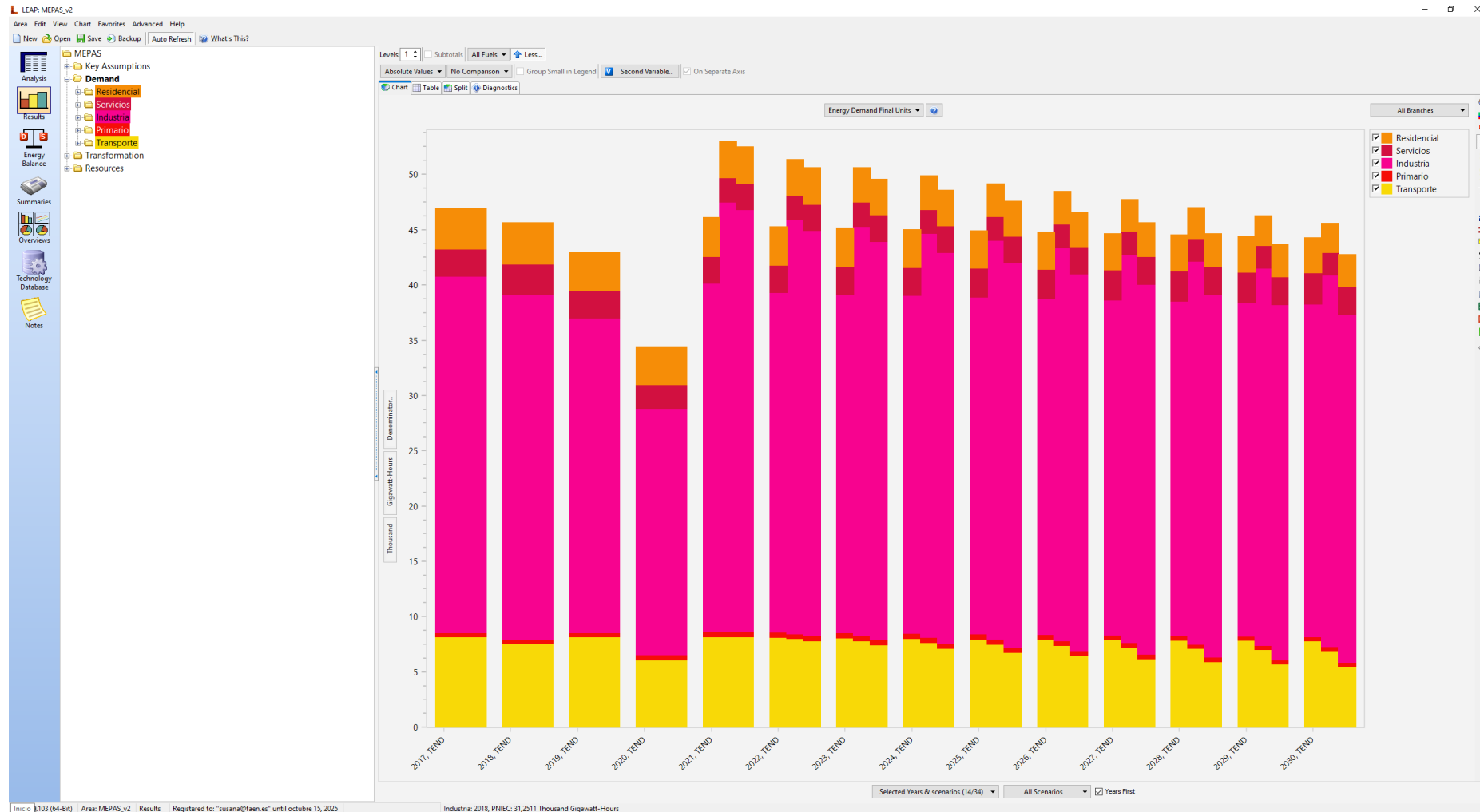
CALCULATION TOOLS

Monitoring and evaluation of regional energy planning

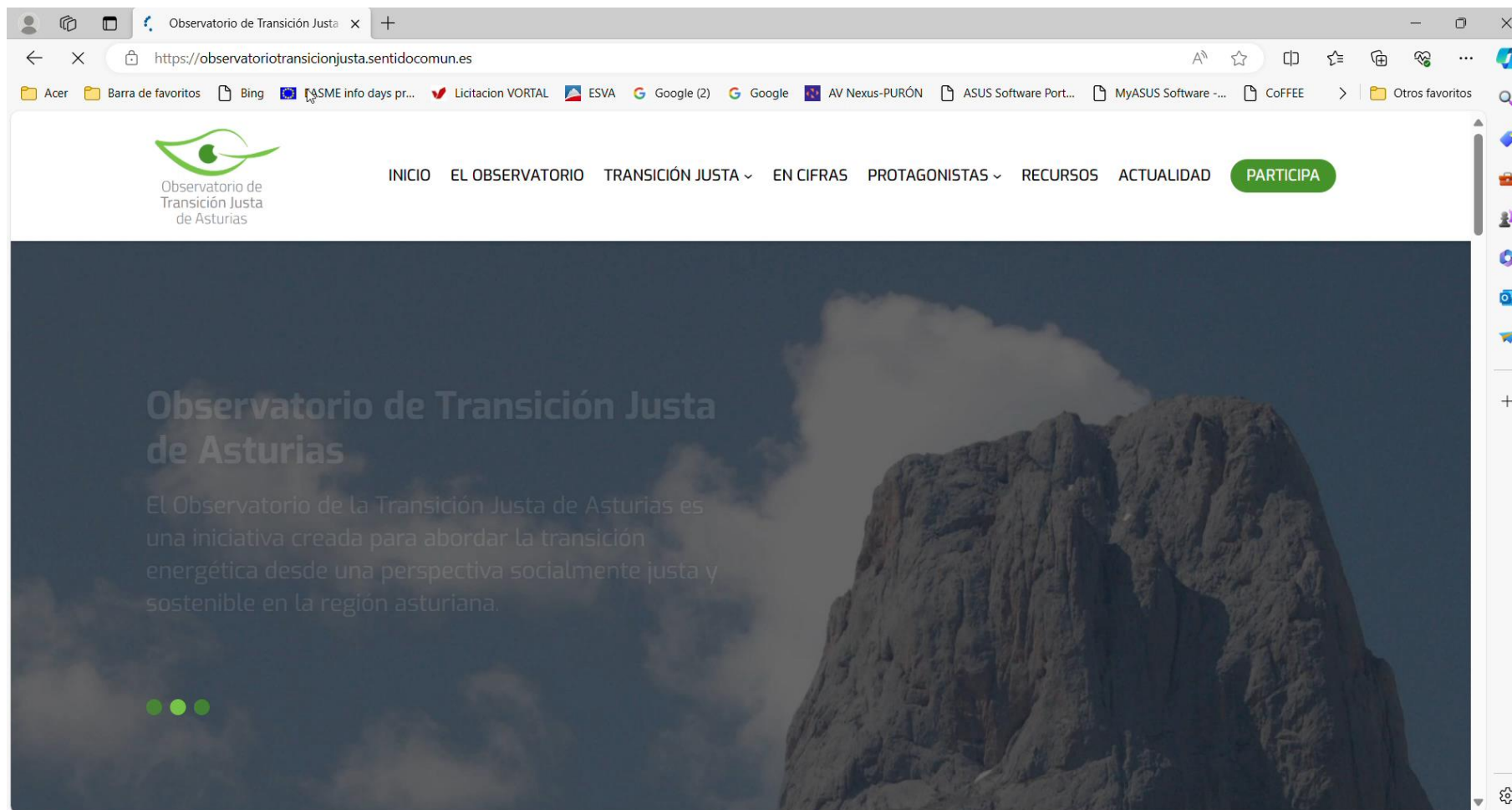
Modeling of the Asturian energy sector using **software specialized in the analysis** of regional energy systems.

The tool will make it possible to verify: fulfilment of each individual objective and its contribution to overall objectives set out in the Strategy.

CALCULATION TOOLS



PROJECTS AND PARTICIPATION





CONCLUSIONS

- Observatory for **monitoring results** of 4 strategies + Just Transition Fund Plan
- Governance: **Working together** all the key actors (public and private)
- **Transparency**
- Open **participation**

Observatorio de Transición Justa de Asturias (OTJA)



Observatory for Just Transition



Asturias

A green transition
is taking place in the
green paradise