

BIOPLACE™

THE DIGITAL MARKET FOR BIOENERGY IN EUROPE



This project has received funding from the European Union's Horizon 2020 research and Innovation programme under grant agreement N° 101016854.

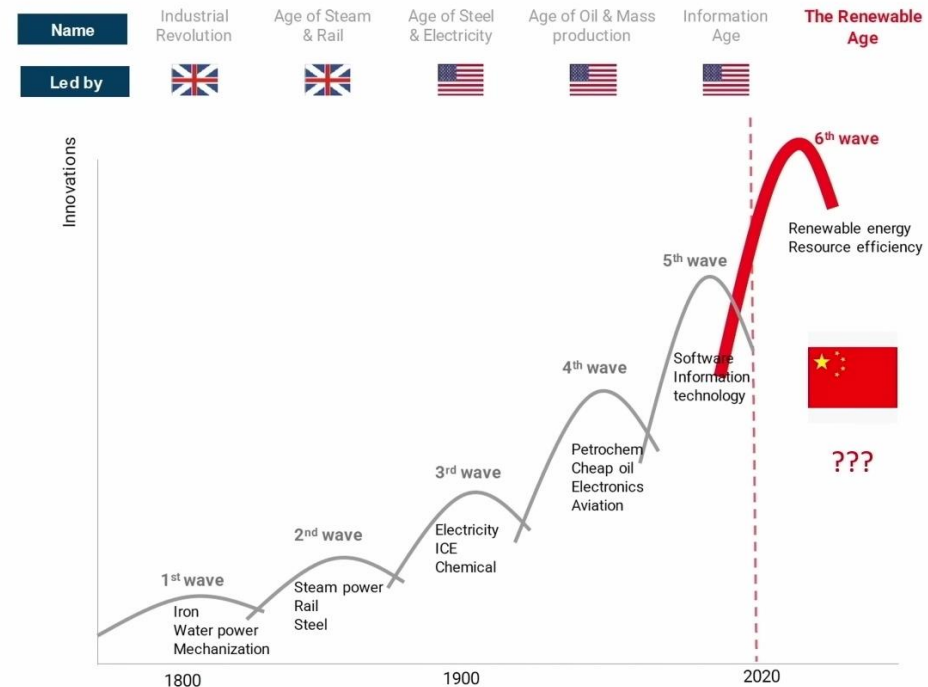


Strategy: Vision (I/II)

Climate change projects us into Renewable Energy Sources

Finally, we are entering the Renewable Age

It's a huge growth opportunity and challenge for all of us!

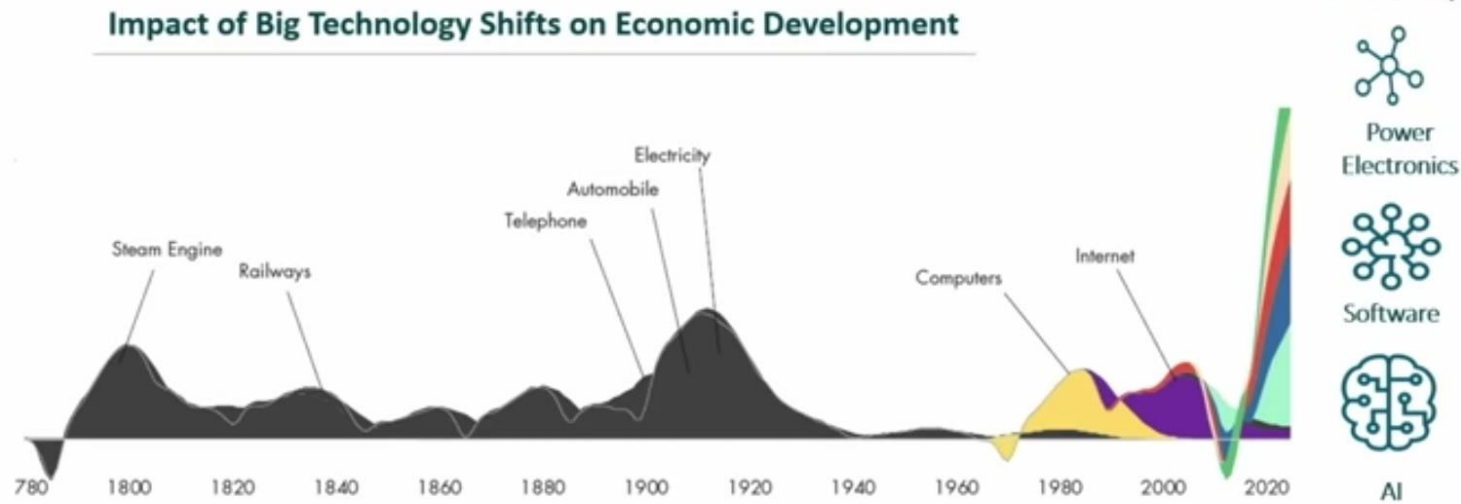


Font: Gerard Reid, Energy Disruption

Strategy: Vision (II/II)

Energy intelligence is the key

ENERGY INTELLIGENCE: EI is the glue that binds everything together



Font: Gerard Reid, Energy Disruption

Problem

The bioenergy sector is fragmented

- Agroforestry ancestral origin makes transactions manually managed
- Rural industry is lacking digital connectivity to automate processes
- Remote environments lack of smart communities capabilities
- There's no single platform to integrate commercial offer
- Promoting bioenergy adoption is difficult and slow

Solution

Bioenergy marketplace for B2B & B2C transactions

- Foster sustainability and proximity (“Glocal” perspective)
- All types of bioenergy products:
 - CONSUMABLES / FUELS, max radius 300Kms
 - PRODUCTS, Europe only with local/national preference
 - SERVICES, without limitations
- Meet criteria in 80% of transactions/sales volume
- Exclusion of products harmful to the environment and health (i.e. fossil fuels, petrochemicals, etc.) and illegal products

Auroral IoT platform

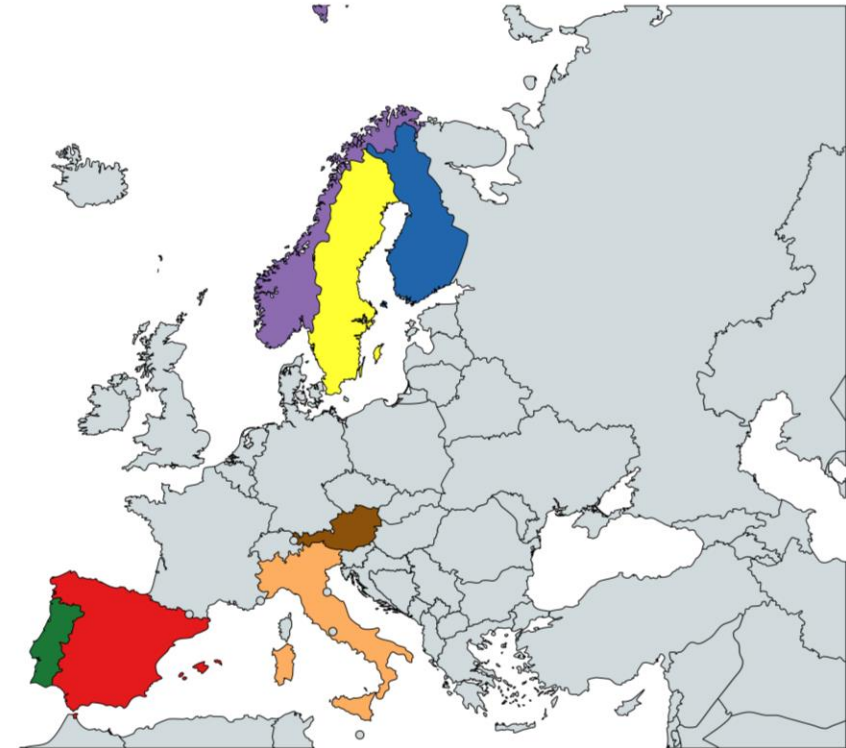
EU pilot regions

➤ Digitalise rural areas, connect smart communities in 5 domains:

- Farming
- Tourism
- Mobility
- Energy
- Health

Auroral

- Austria
- Finland
- Italy
- Norway
- Portugal
- Spain
- Sweden



Estratègia

Objectiu: Digitalitzar zones rurals, connectar comunitats

Priority rank	AURORAL Pilot region	Main industry	Region surface Km2	Region population	Country	Country surface Km2	Country population	Country GNP/capita
1	El Penedès	Winery	888	213,000	Spain	505,000	49,000,000	28,200€
2	S. Burgerland	Agriculture	1,128	80,000	Austria	83,700	9,000,000	49,500€
3	Västerbotten	Paper	55,400	228,000	Sweden	450,000	10,300,000	51,900€
4	Lapland	Forestry	100,300	176,700	Finland	338,000	5,500,000	39,000€
5	Piedmont	Livestock	25,400	4,300,000	Italy	301,000	58,800,000	33,000€
6	Alentejo	Cork	27,200	790,000	Portugal	92,200	10,300,000	23,500€

Then, rest of Europe: Germany, France, Benelux, Poland, UK...



Tàctica de disseny *DREAMS* (ó somnis)

➤ *Declared*: venedor verificat

➤ *Rated*: botiga valorada

Bio Place – October 31, 2024 5:12 pm



Innovative solutions for the biomass industry

The shop delivers a break-through strategy with game-changing products and solutions

Edit



Biohome



📍 Maria Aurèlia Capmany i Farnés,
4, El Vendrell, T 43700 ES

☎ +34633603226

✉ Send Email

✔ Enabled

Tàctica de disseny

DREAMS (ó somnis)

➤ *Engaged*: botiga compromesa (disponibilitat de productes i/o serveis)

4G Smart-Meter for pellets aerial silos in buildings

585.00 €




















4G Heavy duty smart-meter to automated biomass pellets deliveries in aerial silos for heating buildings. Affordable, easy to use and install with top technology



1 [Add to cart](#)

Categories: [Products and accessories](#), [Sensing & Monitoring](#), [Smart-meters and sensors](#) Tags: [automated deliveries](#), [automated payments](#), [digital platform](#), [IoT 4G](#), [IoT Wifi/Ethernet](#)


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-  **Consumables & fuels**
-  **— Fertilisers**
-  **— Biochar**
-  **— Compost**
-  **— Wood pellets**
-  **— Standard wood pellets**
-  **— Quality wood pellets**
-  **Products and accessories**
-  **— Boilers and stoves**
-  **— Biomass boilers**
-  **— Industrial boiler**
-  **— Mobile boiler unit**
-  **— Biomass burner**
-  **Services**
-  **— Clearing services**
-  **— Engineering services**
-  **— Maintenance services**
-  **— Cleaning services**
-  **— Consulting services**

Tàctica de disseny *DREAMS* (ó somnis)

➤ *Active*: botiga activa


 Years Active


 Number of Orders

 Products Published

 Customer Review

 Number of Items Sold

 Store Support Count

 Featured Products

 Featured Seller

 Trending Product

 Verified Seller

Tàctica de disseny

DREAMS (ó somnis)

➤ **Moderated:** productes etiquetats

<input type="checkbox"/> IoT 4G Edit Quick Edit Delete View	IoT 4G communication equipped	<input type="checkbox"/> BCorp	BCorp sustainability certified
<input type="checkbox"/> IoT 5G	IoT 5G communication equipped	<input type="checkbox"/> digital platform	—
<input type="checkbox"/> IoT Wifi/Ethernet	IoT Wifi/Ethernet communication equipped	<input type="checkbox"/> DIN Plus	DIN Plus certified
<input type="checkbox"/> ISO 14001	Environmental Management System certified	<input type="checkbox"/> EN Plus Edit Quick Edit Delete View	EN Plus certified
<input type="checkbox"/> ISO 26000	Social Responsibility certified	<input type="checkbox"/> EU Ecolabel	EU Ecolabel certified
<input type="checkbox"/> ISO 50001	Energy management systems certified	<input type="checkbox"/> EU Organic	EU Organic certified
<input type="checkbox"/> PEFC	Programme for the Endorsement of Forest Certification	<input type="checkbox"/> Fairtrade	Fairtrade certified
<input type="checkbox"/> Rainforest Alliance	Rainforest Alliance certified	<input type="checkbox"/> FSC	Forest Stewardship Council certified
<input type="checkbox"/> SURE	SURE sustainability certified	<input type="checkbox"/> IoT 4G	IoT 4G communication equipped

Tàctica de disseny *DREAMS* (ó somnis)

➤ *Social*: botiga present en xarxes



➤ *Social*: plataforma present en comunitats

- Energètiques
- Tecnològiques
- Rurals
- Humanístiques
- Negocis
- Financeres

Auroral

Connectivitat instruments i sensors

➤ Processos automatitzats



Auroral Node Agent 3.4.0 OAS3

[src/docs/swagger.json](#)

AURORAL Node interface - developed by bAvenir. Standard API to interact with the AURORAL platform.

[API Support - Website](#)

[Apache 2.0](#)

[AURORAL platform](#)

Authorize 

Authentication Login/Logout of local infrastructure into AURORAL

GET **/api/auth/token/{id}/{oid}/{pid}** Generating JWT token

GET **/api/auth/validate** Validate JWT token

GET **/api/login/{id}** Connect an item

GET **/api/logout/{id}** Disconnect an item

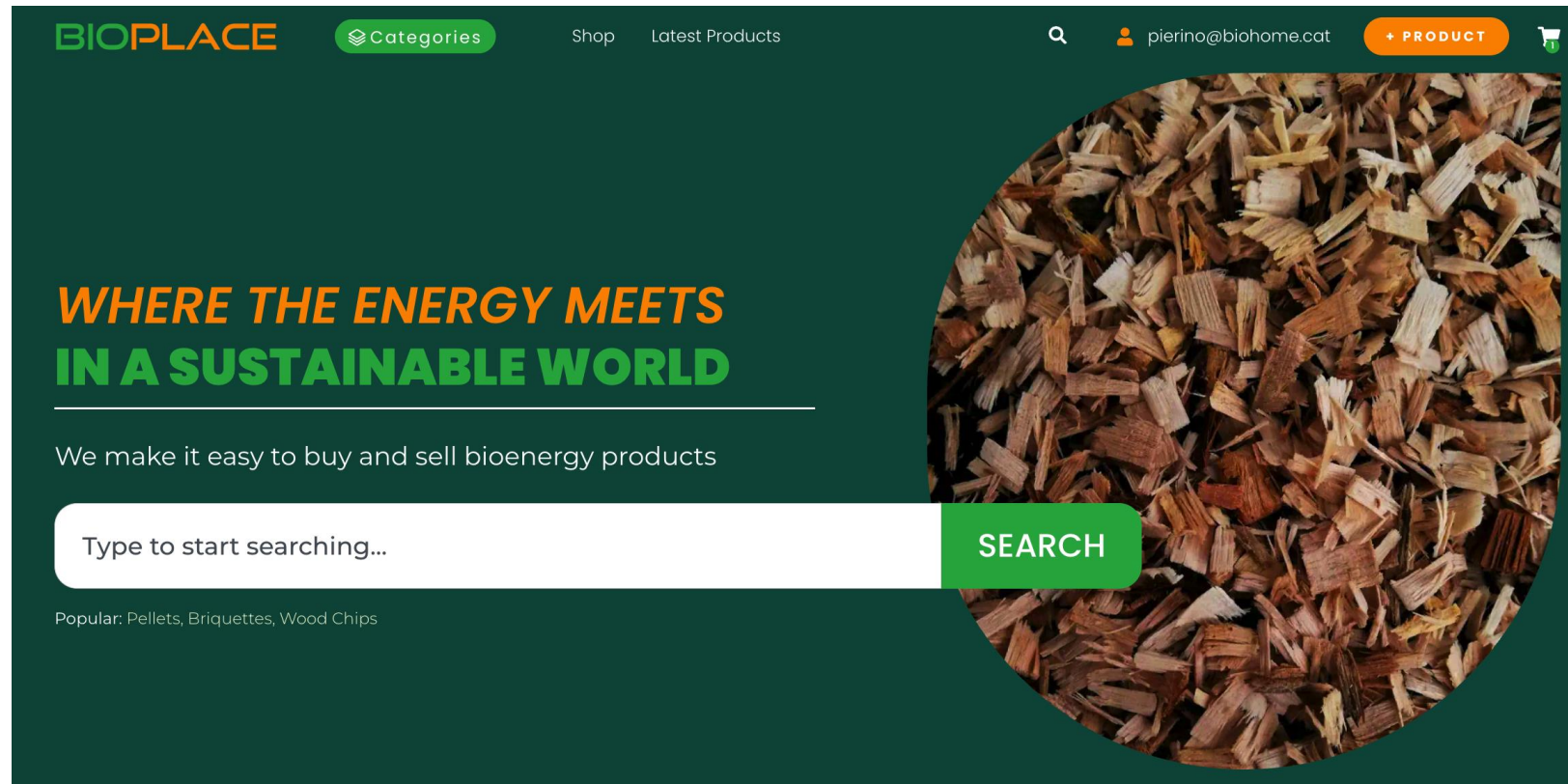
Registry Registration of new devices or services into AURORAL

POST **/api/registration** Register an item

GET **/api/registration** Get all item OIDs

Mostra

Contacte: katia@bioplace.biz

A screenshot of the Bioplace website interface. The header includes the "BIOPLACE" logo, a "Categories" button, "Shop" and "Latest Products" links, a search icon, a user profile icon for "pierino@biohome.cat", and a "+ PRODUCT" button with a shopping cart icon. The main content area features a large circular image of wood chips. To the left of the image, the text reads "WHERE THE ENERGY MEETS IN A SUSTAINABLE WORLD" in orange and green, followed by "We make it easy to buy and sell bioenergy products". Below this is a search bar with the placeholder text "Type to start searching..." and a green "SEARCH" button. At the bottom left of the search area, it says "Popular: Pellets, Briquettes, Wood Chips".