



Are you ready to build a carbon zero world?







www.ceiia.com

We are CEiiA, a Portuguese engineering and product development center that conceives, develops and productizes new technologies, products and services towards a more sustainable society.

We are one of the highest R&D investors in Portugal, and we work by bridging together cities, industry and universities in high-tech sectors such as automotive and mobility, aeronautics, ocean and space.

Today, using a sustainability-as-a-service model, we focus on developing emergent technologies that enable the creation of new services and business models towards carbon neutral cities.











AUTOMOTIVE

MOBILITY

AERONAUTICS

OCEAN

SPACE

Reducing CO₂ emissions is probably the biggest change we need to operate as a society.

5 years to slash 45% of the World carbon emissions!

How do we get there?



What is AYR?

AYR is a platform that helps cities accelerate their decarbonization efforts.

How?

Quantifying and valuing avoided CO₂ emissions.

- Fast and scalable deploy
- Helps initiatives that are already happening

Why mobility?

Mobility represents more than 20% of global CO₂ emissions.





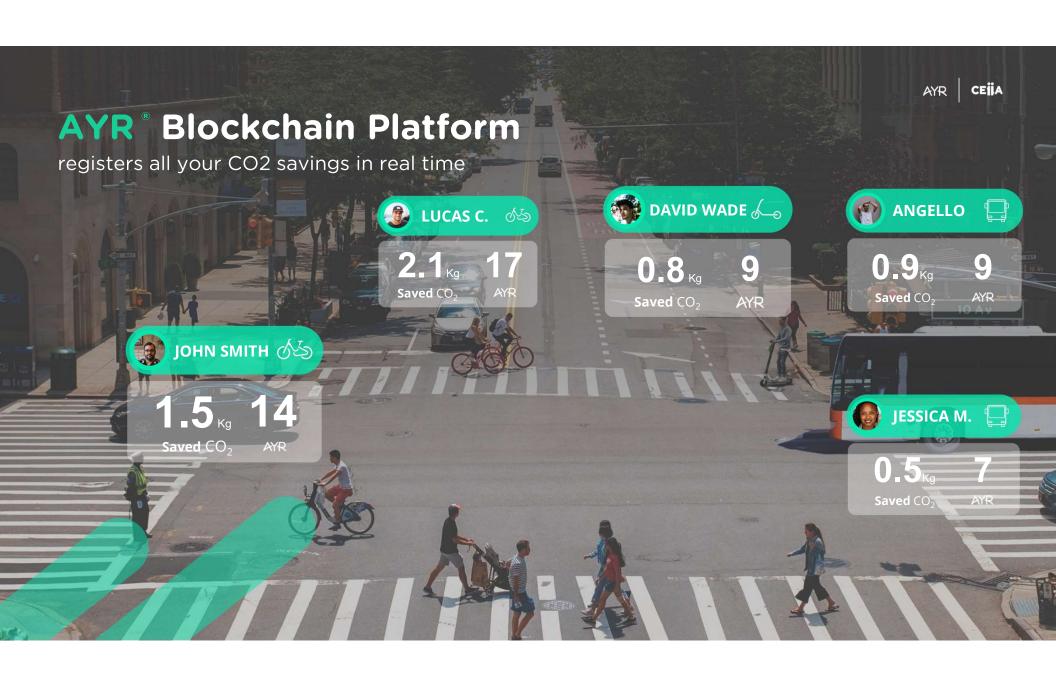
How does AYR work?

AYR* quantifies and values CO2 emissions avoided by people making sustainable choices.



Valuing what is not emitted is the groundbreaking concept upon AYR* is built on.





Mobility Ecosystem Integration

AYR enables the user to reduce his city mobility emissions and create value from that reduction no matter what means of transportation it's used.





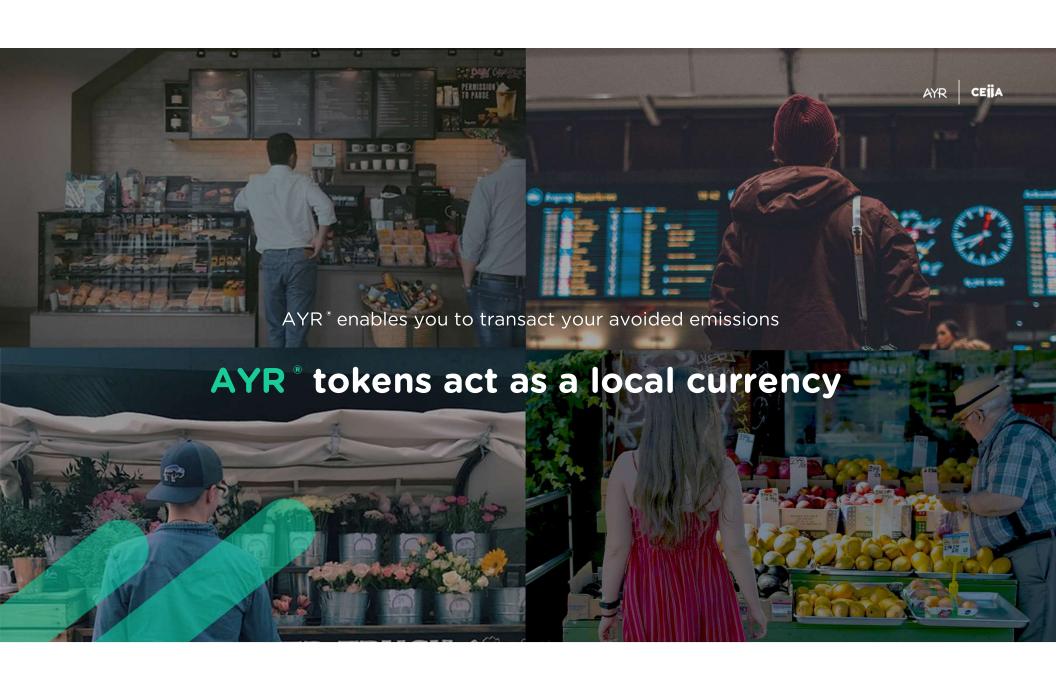
AYR* uses **behavioral insights** to nudge users to make more sustainable choices.

AYR* is grounded in behavioral sciences and leverages **cognitive biases** identified by scientists

AYR has **real-world applicability** and ensures users act in a climate positive way.

Current efforts are not enough. **Behavior** is key!



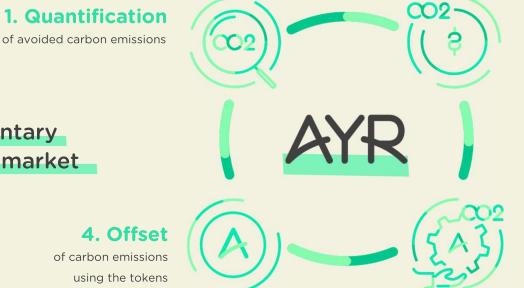


AYR * platform, an enabler to create local carbon markets

Designed to connect communities, people and things in a network, where sustainable actions create tokens that can be exchanged for green goods and services or used to locally offset carbon emissions.

Local voluntary

carbon market



2. Valuing

avoided carbon emissions:

Token generation

AYR[®] circular ecosystem

3. Exchange

of tokens for green goods and services

AYR Benefits





Tangible benefits for sustainable behavior



Foster communities for large scale impact



Feel-good factor - focused on long term behaviour change



Easy to deploy and to integrate to current activities



High quality credits - environmental integrity

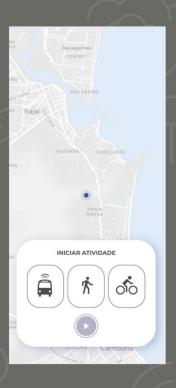


No double Accounting

Movitajaí use case - Santa Catarina (Brazil)

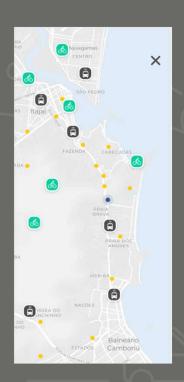








Movitajaí use case - Santa Catarina (Brazil)











MovItajaí use case - Santa Catarina (Brazil)

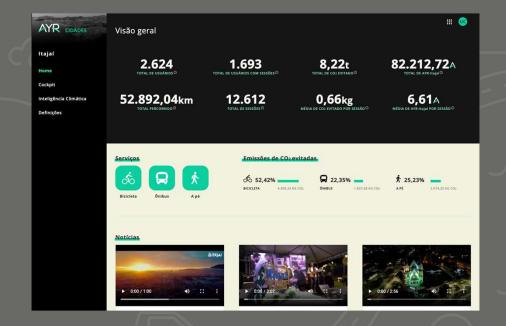


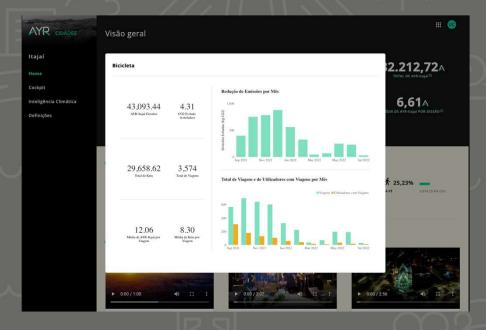




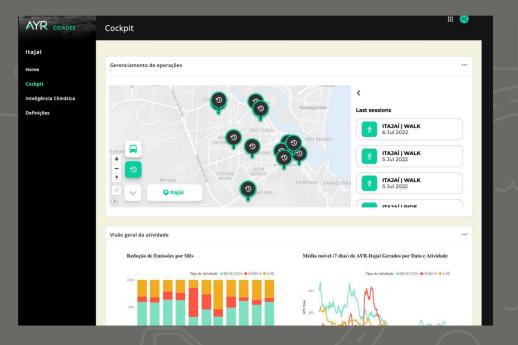


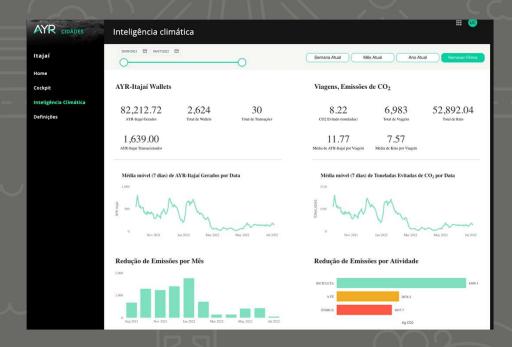
AYR Plataform





AYR Plataform





AYR Student

- Municipalities: Porto, Matosinhos, Braga and Guimarães
- 16 schools

Objectives

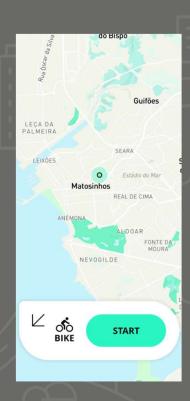
- Reduce the carbon footprint of the school community's commuting movements.
- Raise sustainability awareness in youth communities.

Instruments

- AYR Student app to quantify carbon emissions avoided through the adoption of sustainable behaviors in mobility.

AYR Student









AYR Student



AYR * is changing the World





Google.org Impact Challenge on Climate - CEiiA

The Google.org Impact Challenge on Climate commits €10M to fund bold ideas that aim to use technology to accelerate Europe's progress toward a greener, more resilient future.



New European Bauhaus

The New European Bauhaus initiative connects the European Green Deal to our living spaces. It calls on all Europeans to imagine and build together a sustainable and inclusive future that is beautiful for our eyes, minds, and souls.

AYR * is changing the World



The IN3+ Award is the largest prize for support and promotion of research and innovation in Portugal. Now in its 4th edition, it is established as a platform for research, development, and knowledge promoted by INCM - Imprensa Nacional Casa da Moeda (Portuguese Mint)



