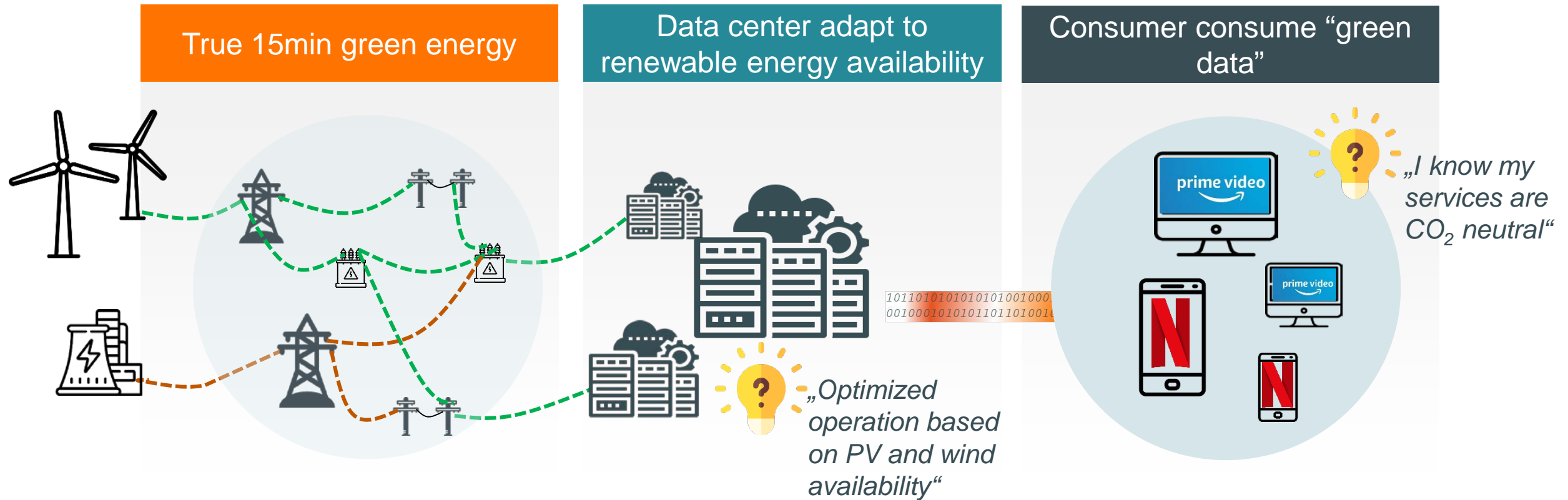




# We want to connect **green** electrons to **green** data. We offer a new energy market design and a tracking system for your green digital services



# Electricity and certificates merge into one commodity. Blockchain ensures that double spending becomes impossible.



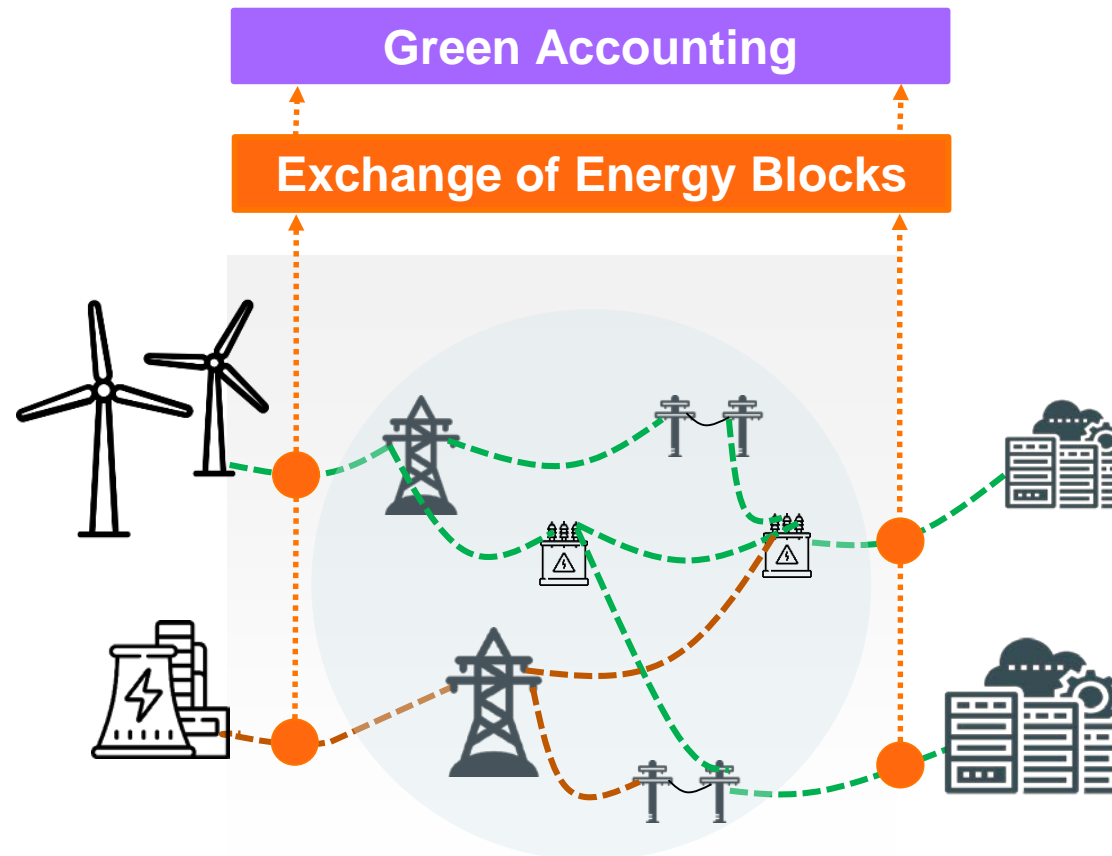
**energy web**

- Site Registration
- Token minting & transfer
- Token retirement



**elia group**  
Elia | 50Hertz | EGI

- Metering data verification
- Metering data transfer
- Automatic PPA execution



## Advantages:

- Exchange of *energy blocks* enable **any transaction** between any market party
- Granularity of **15 min blocks** possible
- **No green washing** with blockchain-based token system

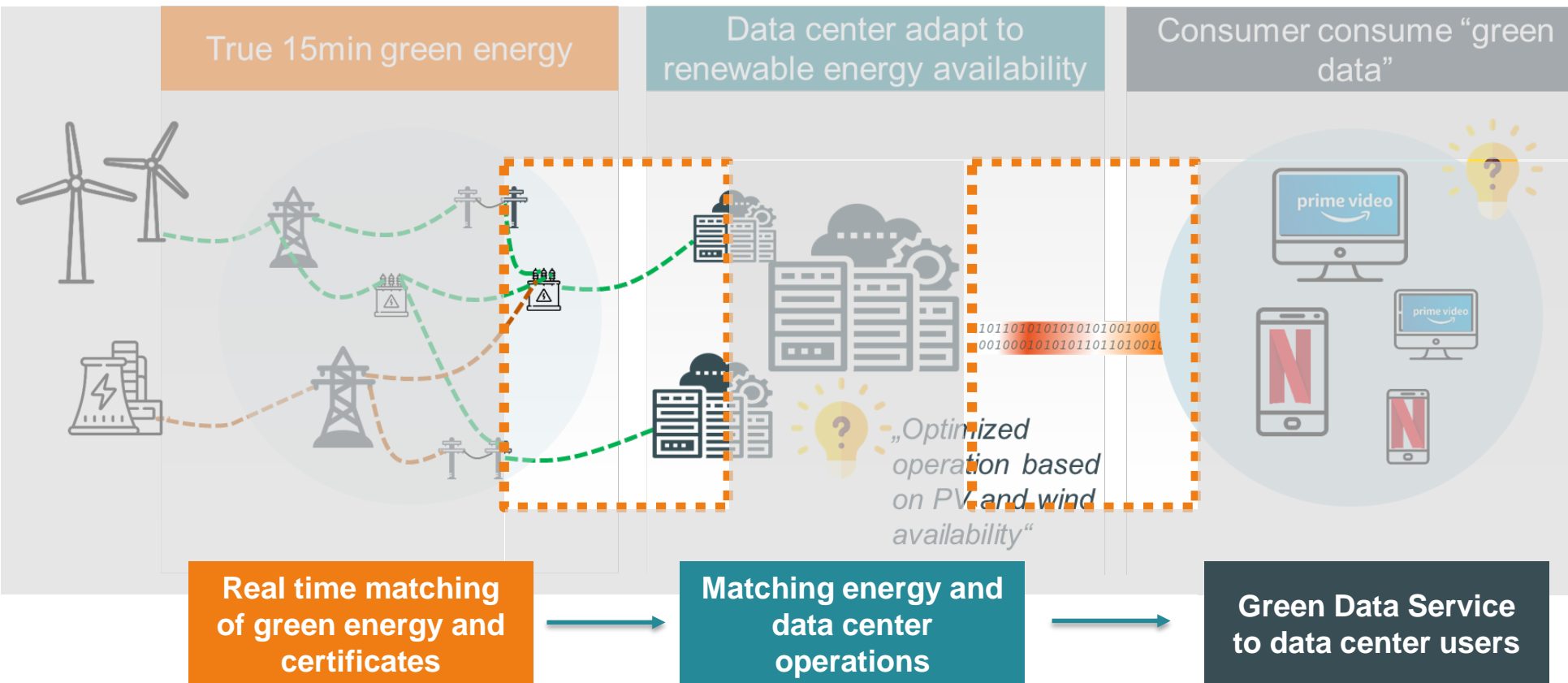
# We developed a granular guarantees of origin system to prove green electricity consumption on 15min basis



# The goal of the PoC is to gain deep insights into the complexity of the digital energy footprint and to build a demonstrator



- Transparency about the digital energy footprint
- Demonstrator: Track data center's energy footprint and create a link to end-user-applications, e.g. showing that a searching request was green
- Scaling the demonstrator to enable other digital companies to track their energy footprint



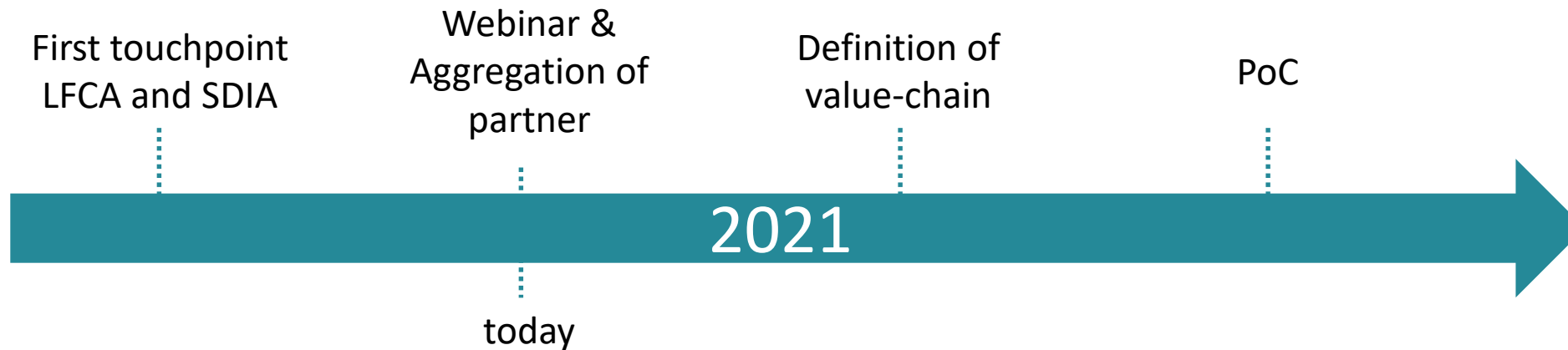
## Status-Quo

- Elia finished a technical PoC for green tracking

## Future Focus:

- Understand and match the PoC with needs of data center infrastructure provider
- Define the scope of the PoC
  - Define roles, responsibilities and stakeholders
  - Additional partners, e.g. Data center
  - Selection of the represented part of the value chain

## Next steps include the refinement of the value-chain, the definition of digital infrastructure needs and the scoping of a POC



# Q&A

**Time for feedback!**



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**6560 8426**