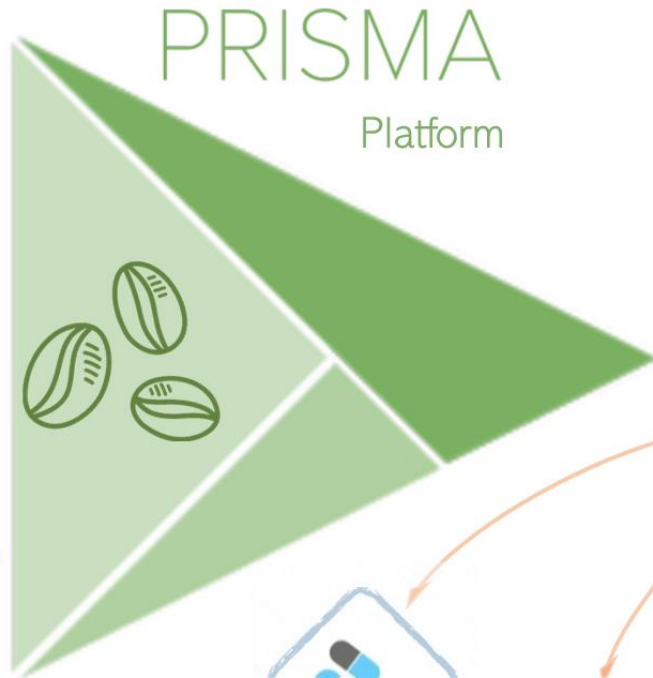


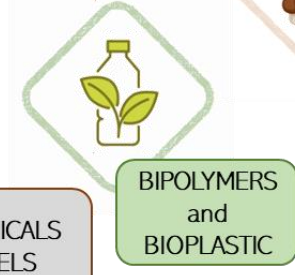
AN INTEGRATED PHYSICAL INTERNET DIGITAL PLATFORM

For a Sustainability, Inclusiveness, and Resilience of Spent Coffee Grounds Global Supply Chain

Value-added products/sustainability of the coffee agro-industry



Application fields of exhausted SCG



Value

Benefits

- Economic
- Environmental
- Technological
- Social
- Logistics

Coffee import



Customs clearance,
loading and transfer
to the container
terminal

Coffee beans
processing



Order picking and
preparation



Packaging



Raw coffee delivery

Distribution



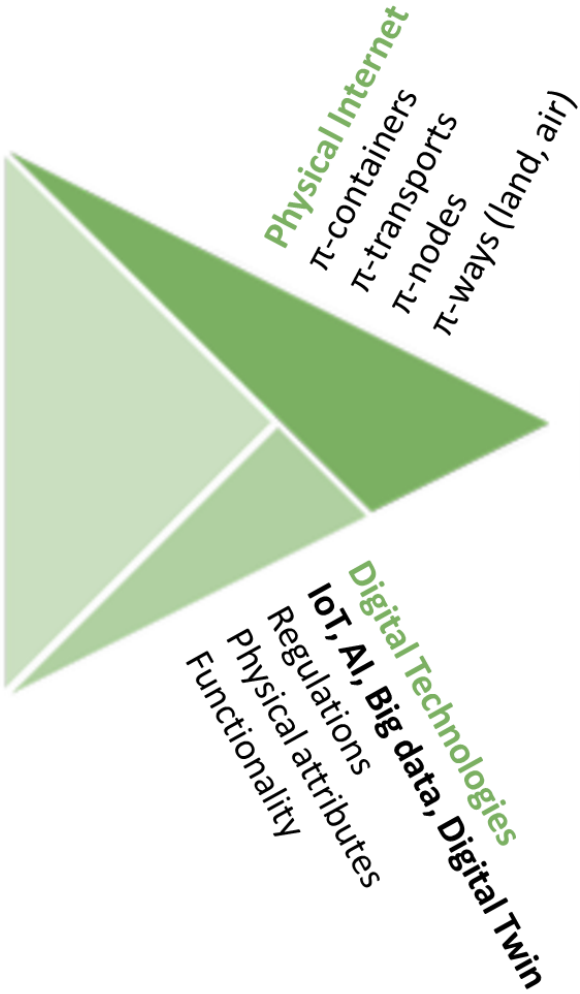
Consumer user



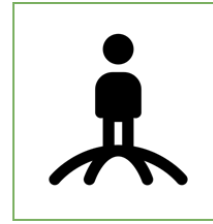
End of life and
disposal in landfill



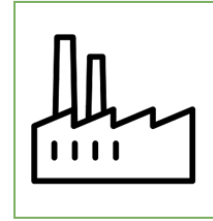
Blockchain
Architecture
Application



PRISMA
Platform



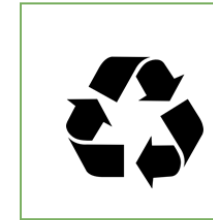
For Private
citizen



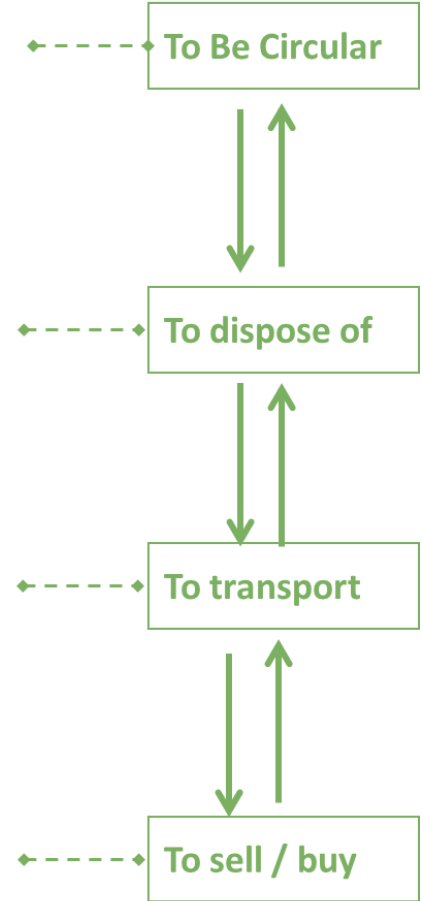
For Private
companies

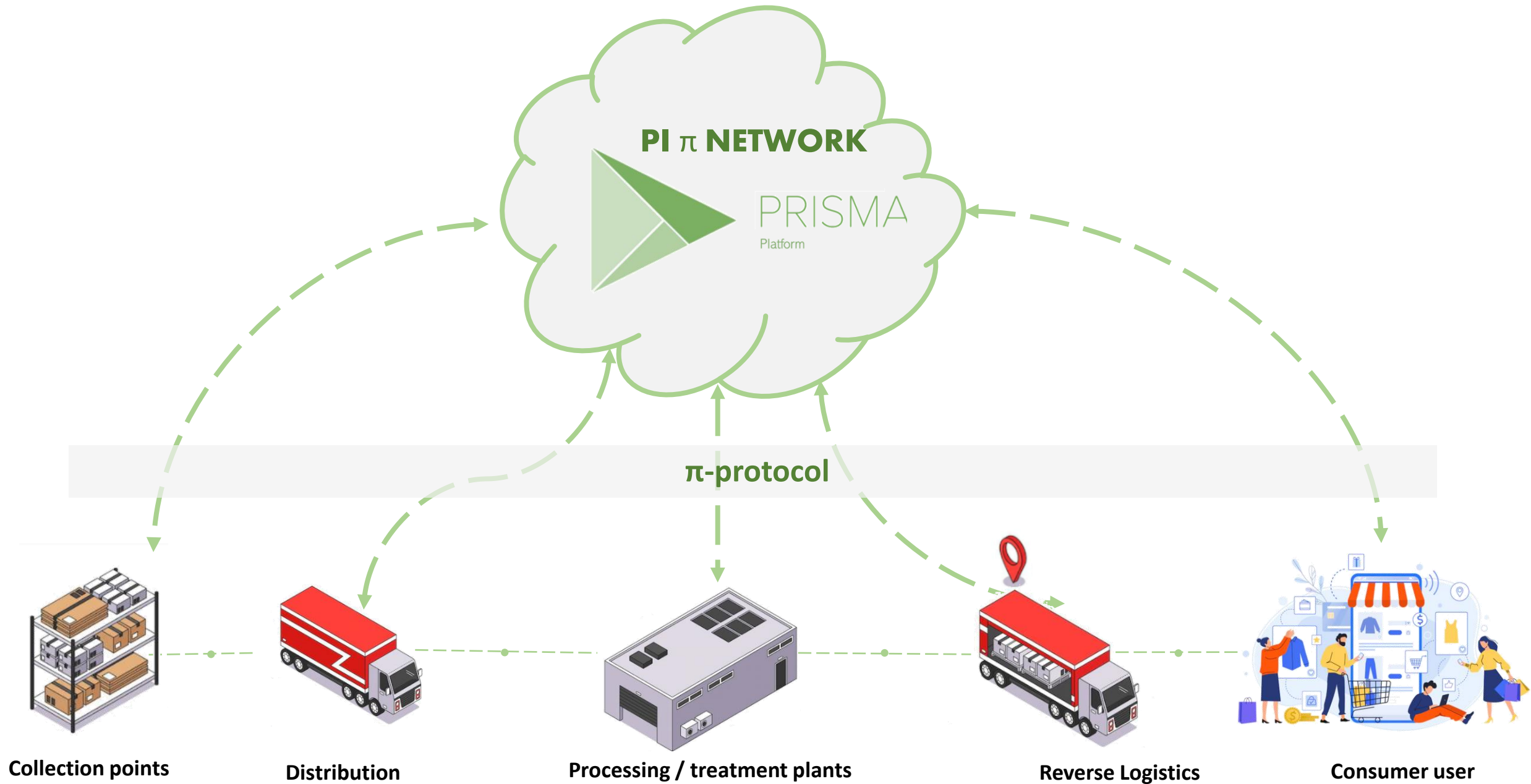


For the public
body



For
Environmental
management
body



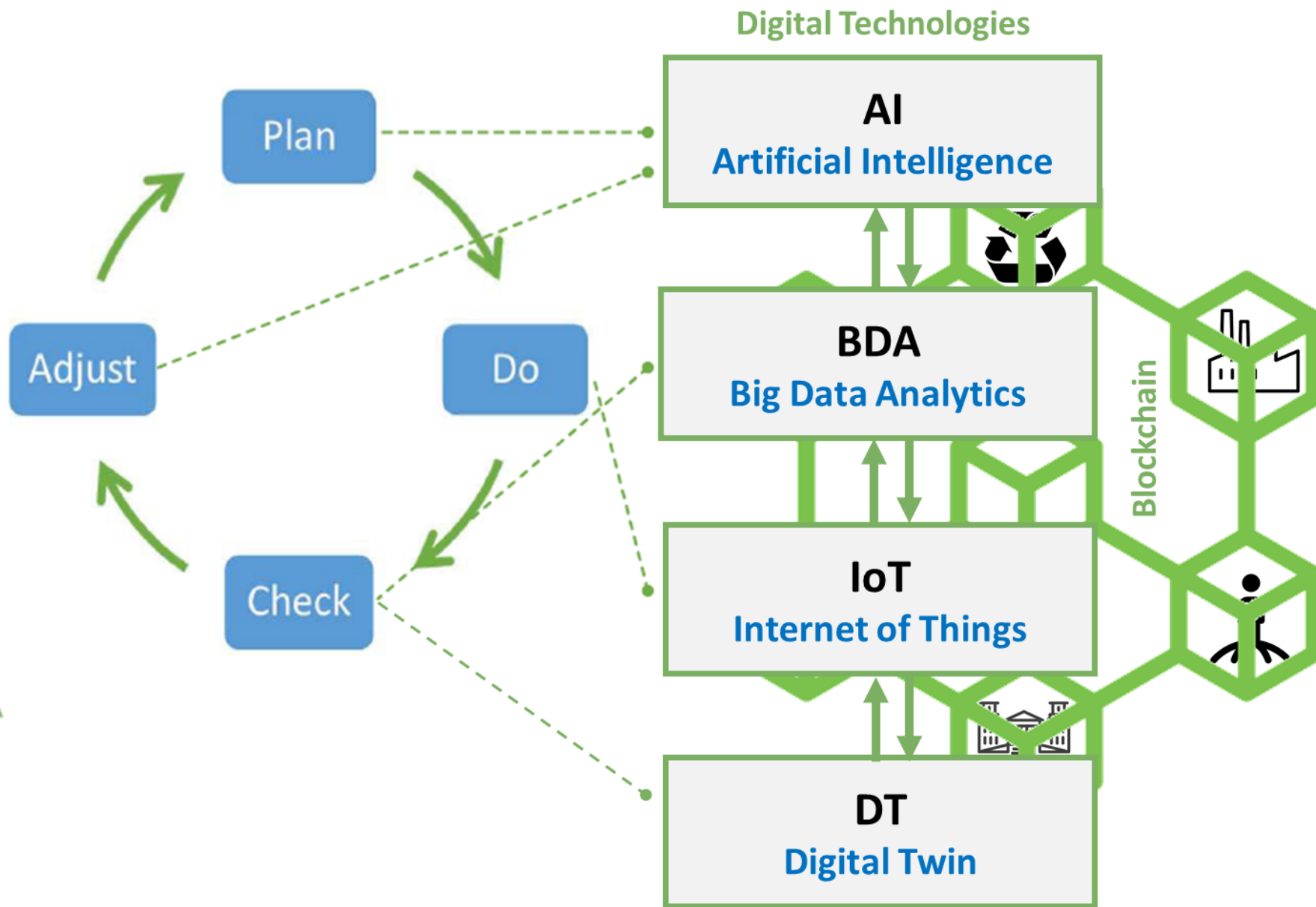


PI π NETWORK



PRISMA

Platform



WP0 - UNIPARTHENOPE
Project management

WP1 - UNITUSCIA
Coffee supply chain
(analysis, characterization,
challenges and opportunities)

WP2 - UNITUSCIA
Circular design architecture
(characterization of the supply chain in terms of LCA, LCC and S-LCA,
definition of indicators)



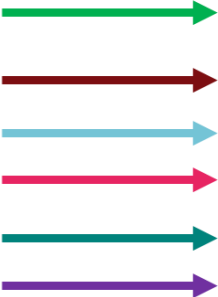
WP3 - CNR
Logistic models
(definition and characterization of
the reference scenarios)

WP4 - UNICAS
Physical internet models
(analysis and reference scenarios)

WP5 - UNIPARTHENOPE
PRISMA Platform
(definition and characterization)

WP6 - UNIPARTHENOPE
PRISMA Platform
(validation)

WP7 - UNIPARTHENOPE
**Dissemination and
communication**





PI π NETWORK
PRISMA

Platform

