DIGITAL INNOVATION FOR SUSTAINABLE DEVELOPMENT

Introduction and membership programme
WHY GREEN DIGITAL
Digital with purpose is a necessity

Digital technologies potential is huge

Across several sectors - smart energy, smart cities, connected mobility, smart factories, smart buildings, smart farming, smart water, digital technologies and solutions allow:

› More efficient use of resources
› Optimisation of processes
› Environmental impact monitoring
› Access to essential services, e.g., education, health care...

“ICT has the potential to maintain global CO₂ emissions at 2015 levels, decoupling the past pattern where each 1% of growth in GDP equated to an 0.5% increase in CO₂ emissions, and promote sustainable growth through 2030”.

SMARTer 2030, GESI
DIGITAL SOLUTIONS TO GREEN THE PLANET

An open source platform for smart cities service provisioning, connecting citizens, data, devices and services

Through **real-time data collection and elaboration**, OC enables several applications scenarios addressing pollution

- Air quality management
- Waste management
- Smart mobility
- Infrastructure monitoring

[orchestracities.com](http://orchestracities.com)
An open source solution for AI-powered Mobility Governance in Sustainable Cities

Road transport accounts for a significant air pollution in urban areas

- Public authorities struggles to tackle pollution problems in a multi-actor environment
- New mobility models may strengthen individual behaviours
- AI-powered decision support
  - Advanced CO2/GHG monitoring
  - Scenarios for policymakers
  - Recommendations and planning for mobility users

https://www.martel-innovate.com/ec-projects/c02trafficai/
...however, as we know

Digital technologies and their overconsumption are also a big part of the problem.

Technology drives electricity demands
- Estimates show that ICT could consume 20% of global electricity by 2025, generating 5.5% of CO₂ emissions - with 25 billion “connected things” by 2021 (!)

Technology is damaging the environment
- Production, use and disposal have direct effects
- Mining rare minerals destroys natural ecosystems
- eWASTE - 53.6 million tonnes only in 2019 (!)

Technology is inducing overconsumption
- Enforcing culture of disposability
- Replacement rather than repair approach
- Software development vs. hardware upgrades
OUR PLANET CALLS!

THE BALANCE OF POSITIVE VS NEGATIVE OUTCOMES OF THE DIGITAL TRANSFORMATION DEPENDS ON INCENTIVES AND POLICIES

WE NEED GREENING DIGITAL TECHNOLOGIES FOR THE SUSTAINABLE DEVELOPMENT OF OUR SOCIETY
DIGITAL FOR PLANET
WHO WE ARE

DIGITAL FOR PLANET – D4P

D4P IS A NON-PROFIT ASSOCIATION BASED IN SWITZERLAND THAT SUPPORTS THE DEVELOPMENT AND ADOPTION OF GREEN DIGITAL TECHNOLOGIES AND SOLUTIONS FOR SUSTAINABLE DEVELOPMENT OF OUR ECONOMY AND SOCIETY.

DIGITAL FOR PLANET - THE HUB TO GREEN DIGITAL INNOVATION

› D4P IS AN OPEN NETWORK facilitating collaboration and promoting awareness about green digital initiatives

› D4P GATHERS KNOWLEDGE, EXPERTS AND TOOLS to accelerate the green digital transition and save our planet

› D4P HELPS RESEARCHERS AND INNOVATORS to acquire funding for green digital projects and initiatives
D4P aims to accelerate the green digital development of our society and economy, in line with the European Green Deal ambition and the UN Sustainable Development Goals.

- We help seek funds for green digital research and innovation
- We help communicate and promote green digital innovation
- We conduct research and studies, by engaging top experts
- We organise events and co-creative sessions on selected topics
- We develop roadmaps and strategic policy-driven agendas
- We connect people, communities and green digital initiatives
- We foster collaboration among our members and beyond
- We gather and openly share tools and knowledge about green deal
DIGITAL FOR PLANET WORKING GROUPS

• WG 1 - Green Cloud-Edge-IoT Computing Working Group
• WG 2 - Climate-Neutral and Sustainable Smart Cities Working Group
• WG 3 - Sustainable Next Generation Internet Working Group
• WG 4 - Towards zero pollution communication networks

https://digital4planet.org/working-groups/
We help researchers and innovators who work on sustainable digital transition and green ICT turn ideas into impactful projects within the recently open Horizon Europe Calls.

**GREEN R&I FUNDING**
D4P selects the most appropriate Horizon Europe call for your research and initiative.

**EU RESEARCH COMMUNITY**
D4P puts you in touch with the most suitable partners for your project’s consortium.

**GREEN TECH EXPERTISE**
D4P Working Groups’ experts share their experience and provide specialist advice.

**PROJECT PROPOSAL PLAN**
D4P helps to frame your activities and elaborate on your green digital plans for a winning proposal.

**DISSEMINATION & PROMOTION**
D4P voices and increases the impact of your green innovation research project.
JOIN DIGITAL FOR PLANET
THE PLANET NEEDS US ALL

D4P WELCOMES BOTH ORGANISATIONS AND INDIVIDUALS

WHY WOULD YOU JOIN?

› You need help greening your digital journey – from acquiring know-how to changing processes and technological choices in your organisation

› You need funding for green digital research & innovation – from identifying opportunities / programmes / calls to defining strategies and executing plans

› You want to promote green digital tech and knowledge on a broad scale, increasing your visibility and outreach

› You want to shape and lead the green digital future of our economy and society, by liaising with relevant stakeholders

› You want to become part of a growing community – alone is impossible, together is a necessity

© Digital For Planet - D4P
MEMBERSHIP BENEFITS

AS A MEMBER YOU...

› Get a chance to lead and shape D4P activities
› Propose, join, contribute and eventually lead D4P Working groups
› Get support to access relevant funding opportunities for green digital transformation
› Collaborate with other members for joint research and innovation proposals/projects
› Learn, contribute, influence and amplify policy and regulatory-driven efforts
› Gain visibility across D4P online and offline communications
› Obtain discounted/free passes at selected events
› Participate as speaker / panellists to D4P events
› Get privileged access to knowledge, tools and events
FULL MEMBERS are entities with legal personality that can participate in all the activities of the Association, have full voting rights in the General Assembly, and propose representatives that can be elected to be part of the Executive Committee.

Full members annual membership fee:
- Large industry: € 5'000
- Research/academic institutions: € 2'000
- SMEs/Start-ups: € 2'000
- Municipalities/Public authorities: € 2'000
- NGOs / Non-profit: € 1’200

ASSOCIATE MEMBERS are individuals that can participate in all the activities of the Association, including the General Assembly, without voting rights and are not eligible to be elected as part of the Executive Committee.

- Associate members annual membership fee € 250
- D4P annual membership fee for students is € 100

To apply for Membership, please fill in the form at:

https://digital4planet.org/membership-programme

Your Application will be sent to the D4P Executive Committee for approval and you will be informed about the status of your application within a short period.
STAY TUNED TO LEARN MORE

digital4planet.org
info@digital4planet.org
@Digital4Planet
digital4planet.org/newsletter