

# socio-economics in FIRE

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- ✧ **Multiple crises**
  - ✧ Financial
  - ✧ Environmental
  - ✧ Energy
  - ✧ Social
  
- ✧ **Stemming from partial economic models?**
  - ✧ GDP as the only performance indicator
  
- ✧ **How can Internet help the transition towards a more sustainable future?**

# What ICT can do



- ✧ **Environmental sustainability**
  - ✧ Improving energy efficiency
  - ✧ Monitoring environmental changes
  - ✧ Distributed grid of renewable energy production
  
- ✧ **Internet economy**
  - ✧ Empowering individuals
  - ✧ Distributed information production
  - ✧ New opportunities and market models
  
- ✧ **Distributed governance**
  - ✧ Effective cooperation
  - ✧ Knowledge sharing across borders
  - ✧ Low-cost access

*something going on already*



- ✧ **PARADISO** (under FIRE, <http://www.paradiso-fp7.eu/>)
- ✧ **Beyond GDP**
  - ✧ ICT to improve quality of life (health, culture, social integration, etc.)
- ✧ **Distributed wikis to discuss policies**
  - ✧ Creating a “wikipedia” also for statistical data
  - ✧ “Mutualisation” of global resources
- ✧ **European strengths**
  - ✧ Creating a new Society across State boundaries
  - ✧ Multidisciplinary approaches
  - ✧ Need of preserving open access and free competition

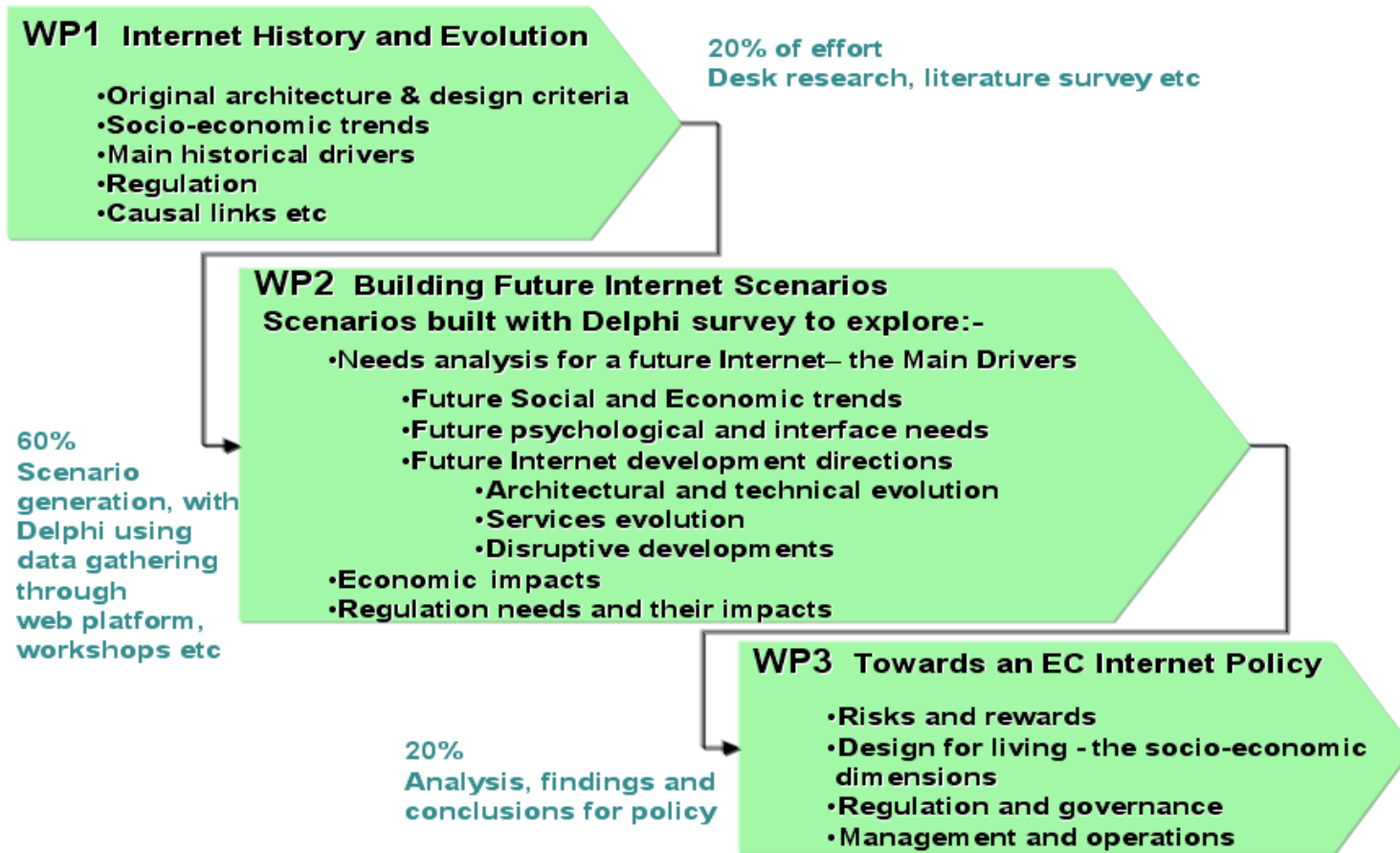


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✧ Towards a Future Internet  
*Interrelation between Technological, Social and Economic Trends*

The key work actions and packages



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- ✧ COST Foresight 2030 workshop
  - ✧ Selection criterion among 5 scenarios (ICT for the World):  
sustainability
- ✧ GLOBAL AWARENESS scenario  
global network allowing mutually -trusted global awareness,  
cooperation and governance
- ✧ to help the transition towards a more sustainable  
future:
  - ✧ Environmental-friendly way of living
  - ✧ Sustainable economic development
  - ✧ Participative global governance

## (some) technical challenges



- ✧ “greening the Internet”
  - ✧ energy efficient ICT technologies
  - ✧ how ICT can help making other technological fields more energy efficient
  
- ✧ inter-disciplinary **Internet economic models**
  - ✧ impact of ICT solutions on the economic sector where they can be applied
  
- ✧ **global access to global content**
  - ✧ content-centric network architectures
  - ✧ content-aware networking can make content management more scalable, thus improving global access to content
  - ✧ but who decides how content should be managed?
  
- ✧ **social networking and participatory content/service provisioning**
  - ✧ particularly in the mobile domain