

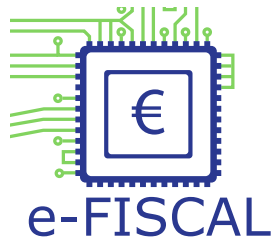
# e-FISCAL project

## Cost/core hour of the European computing e-Infrastructure?

**Matti Heikkurinen**

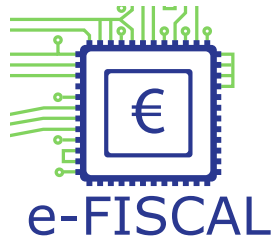
**[matti@emergence-tech.com](mailto:matti@emergence-tech.com)**

**e-FISCAL project/Emergence Tech Ltd.**



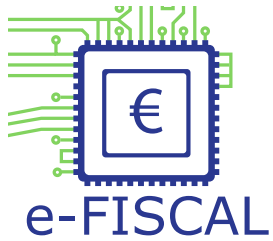
# Why assess the costs?

- Feet on the ground
  - Growing use, new users, new technologies
  - “Real money” and new choices
- Transfer argument
  - Accounting grand challenge
  - Federated ICT infrastructures emerging outside research
- The Zen of cost assessment
  - Trigger for broader self analysis

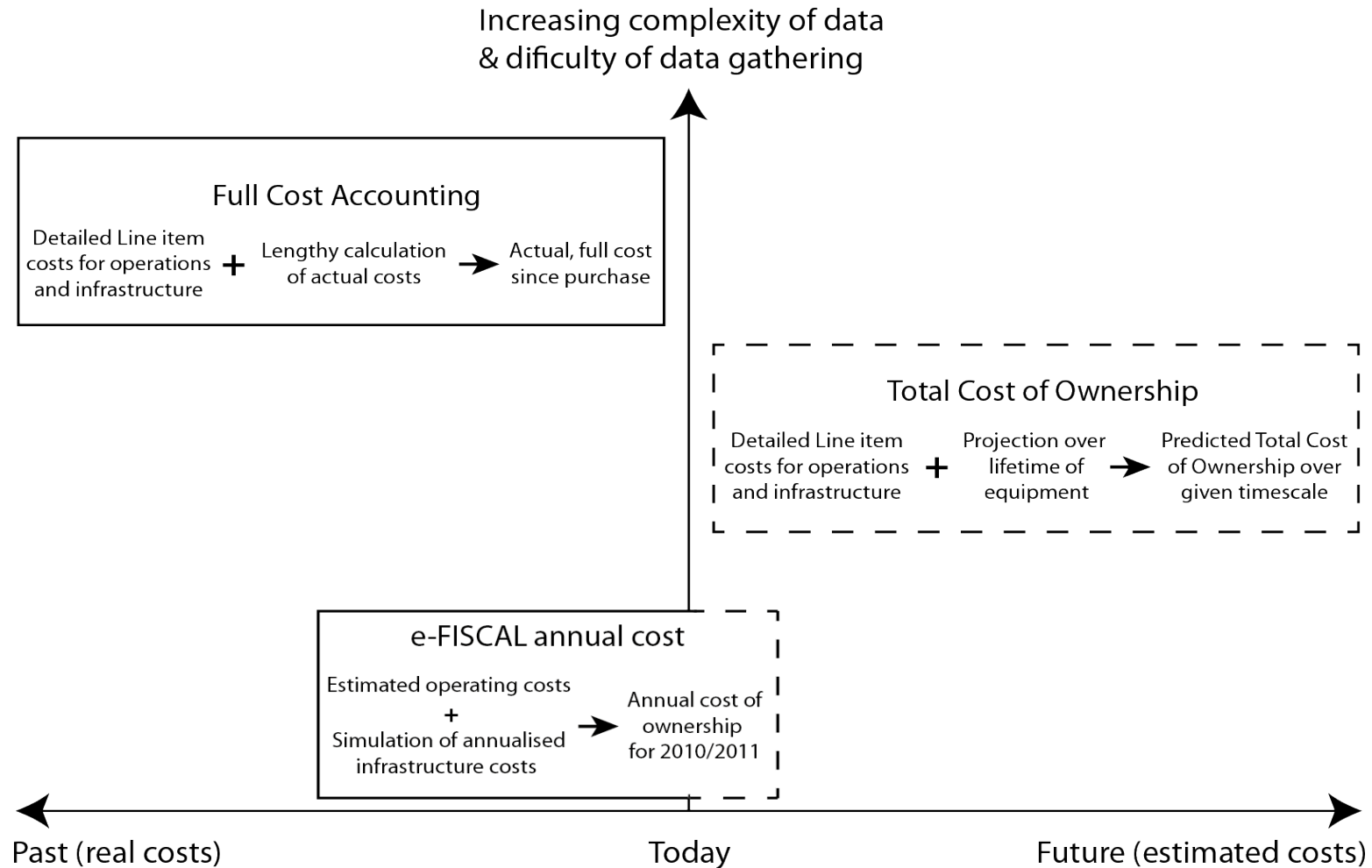


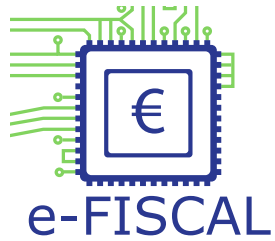
# Complexity challenge

- Staffing
  - Roles included in the costs (IaaS vs. consulting)
  - Different FTE costs – Ph.D student vs. senior staff
- Mixed acquisition models
  - Infrastructure budget, e-Infrastructure grants
  - Research grants
  - Donations (including in-kind)
- Difficult to estimate costs, e.g.
  - Buildings: costs and lifetime
  - Proportions of running costs (university's electricity bill)



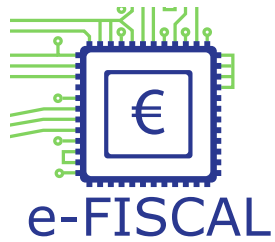
# Methodology challenge





## The e-FISCAL approach: quick measure + short projection

- Collect information about existing infrastructure
  - “What is out there?”
- Make estimate of the current replacement cost of each component
  - “What would it cost if we built it today?”
- Divide the cost by useful lifetime
  - Add OPEX

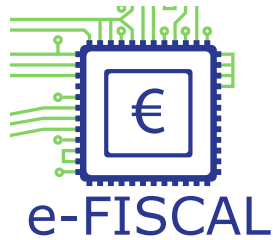


## The e-FISCAL approach: quick measure + short projection

- Collect information about existing

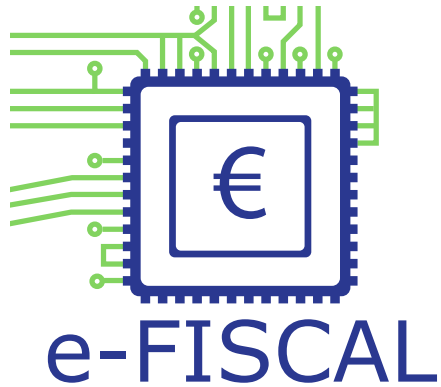
Cost in 2011:  
from 0.03€ to 0.07€ per core hour - in line  
with 2012 Cloud IaaS pricing. **N.B.**

- Cost vs. price
- 2011 vs. 2012
- IaaS vs. (IaaS + PaaS + ... + helpdesk & consulting)



# Future plans

- The project will continue until early 2013
  - Final workshop
  - Conclude survey and analysis
  - Polish the reusable cost models and tools
- Handover
  - EGI compendium effort
  - Online community
- Ensure relevance to broader scope
  - Complement data management cost models?



# For more information

[info@efiscal.eu](mailto:info@efiscal.eu) - [www.efiscal.eu](http://www.efiscal.eu)

Join the mailing list and to hear about the  
final workshop!

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