

# Resource Usage Accounting

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**GreenDigit**



- Common solution for sites clustered around EGI
  - Grid usage record
  - Cloud usage record
  - + other types of records
    - ⇒ Accounting aggregator (APEL) ⇒ Accounting portal
- **No** actual **consumption information** beyond *walltime*  $\times$  *nCPU*
  - plus potentially memory intensity (both random-access and storage)
  - and whether there was a GPU used
- **There's no control without measurement.**



## Question (proposal?)

- Could we **collect** more consumption-related information?
  - ? CPU usage [%]
  - ? Energy input [Wh]
  - ? ...
- If so, can we **put** the information into the accounting record?
  - Extend the format
  - Make sure the aggregator understands it
    - ▶ or at least does not stumble on it
- If so, should we push for **standardization**?
  - Currently only the *Storage Accounting record* is recognized by a standards organisation – and that's not very relevant to **GreenDigit**.

# Thank you for your attention



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