Energy landscapes (introduction to ENERNET roundtable)

Drivers and functions Architectures and skills Classification

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Energy landscapess

The emergence of local energy ecosystems



The changement drivers to « smart districts »

The motivations of big sites, campus, blocks, districts, local authorities, territories stakeholders



« Smart districts » are a five functional steps journey ...



Building and sites impact

Demand Side Management (DSM)





Impact on needed skills (universities and engineer schools)

Almost no change on electricity

- but master fundamentals
- but inflate energy
- understand flexibility production/consumption

No change in finance

- but insist on « financing », involving grid codes influencing
- but insist on real time « value ».

Some changes in DATAs

- 2 Control architectures
- Property and analytics of datas
- From « big data » to « smart datas »





Microgrids classification (J, \in)



THANK YOU

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