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Universitatea
POLITEHNICA
din Bucuresti

Tool Suites Completely Covering an Extended and Incremental Software Lifecycle

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Investește în
OAMENI





Difficulties

- Disparities between existing information systems of public bodies from different European states
- Different financial capacities to support change
- Legislation issues for making available data across national borders
- Necessity to modify working styles
- Different organizational cultures



Modernize Legacy Applications



Conditions

- Time
- Financial resources
- Organization transformations





Advantages

- Multi-ownership
- Multi-language
- Flexibility at both sides
(provider and consumer)





Hybrid Solutions

- mixing private and public Clouds
- legacy and new components
- proprietary and third-party services
- reused or developed from scratch code
- co-existing new and old versions of services
- various composition mechanisms



Trends

- rapidly evolving external factors
- well-established internal plans for long-term, progressive modernization
- narrow line between initial development and maintenance





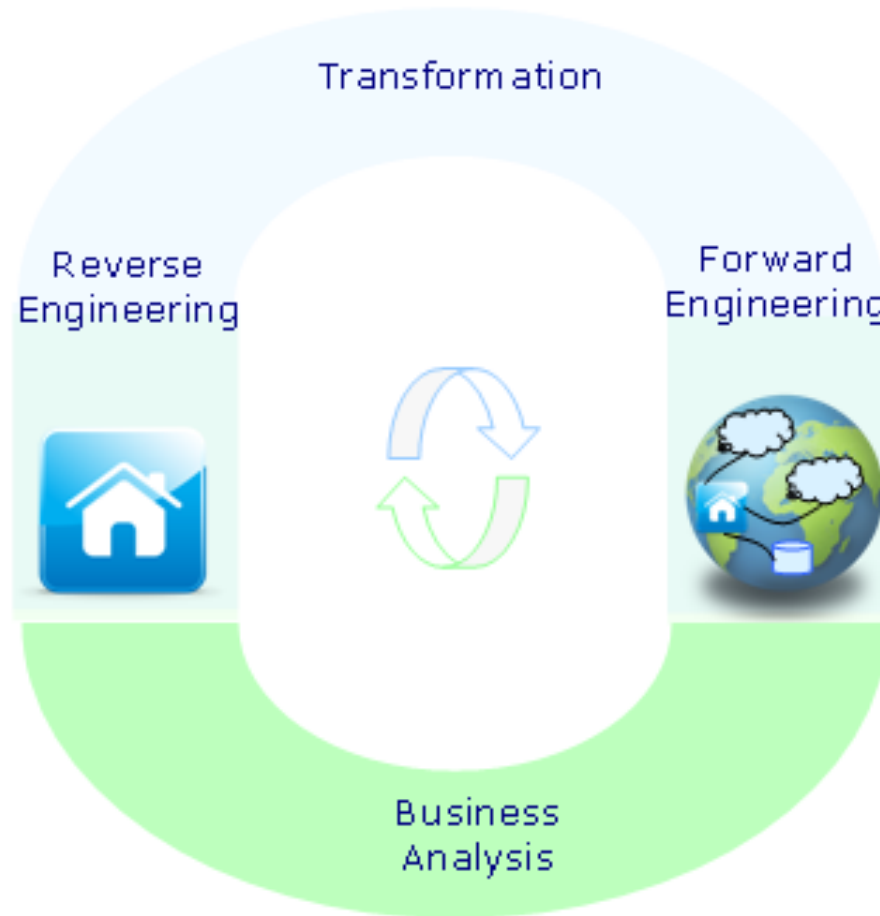
Challenges

- integrate business decision and evolution
- support for the definition of intermediate steps
- tool suites to cover the entire software lifecycle





Evolution Model



Post-Consultation Workshop on the H2020 ICT Work Programme 2014:
Cloud Computing, Software and Services, 17 April 2013, Brussels



Thank you!



advanced applications based borders business capacities caused certain **change**
cloud code composition confronted **cover** currently
development entire evolving extended ignore **incremental**
integrate internal **legacy lifecycle** line long-term
methods mixing **modernizing objective**
operation **parts** plans private **public services**
software solution sometimes steps styles **suites**
support **systems** **therefore**
tool towards transition well-established

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