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A proposal for hybrid agile approach during procurement process of smart city solutions

PhD Student Procopie-Florin GUȘUL

PhD Student Alina-Ramona BUTNARIU

“Ștefan cel Mare” University of Suceava, Romania

- Main elements of smart city concept: ICT and smart human resources
- Major economic interest in introducing smart city solutions
- How about the citizens and other stakeholders?
- Agile methodologies – usually in software development
- Are there agile concepts applicable in public institutions / public procurement process?
- Public procurement process as a series of sprints (Agile)
- Proposal of new hybrid agile approach in smart city projects
- Smart and agile governance plays an essential role in the success of urban projects

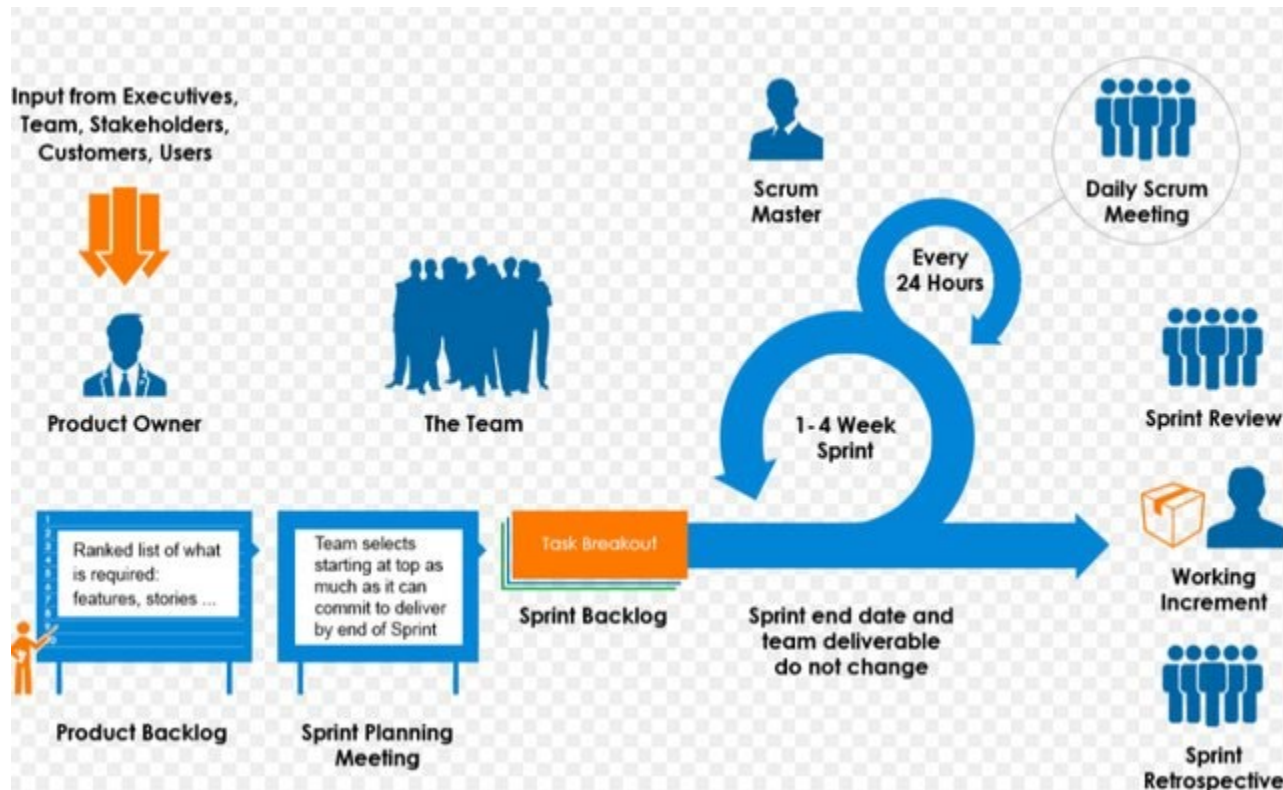


Fig. 1. Scrum process approach

Public procurement process

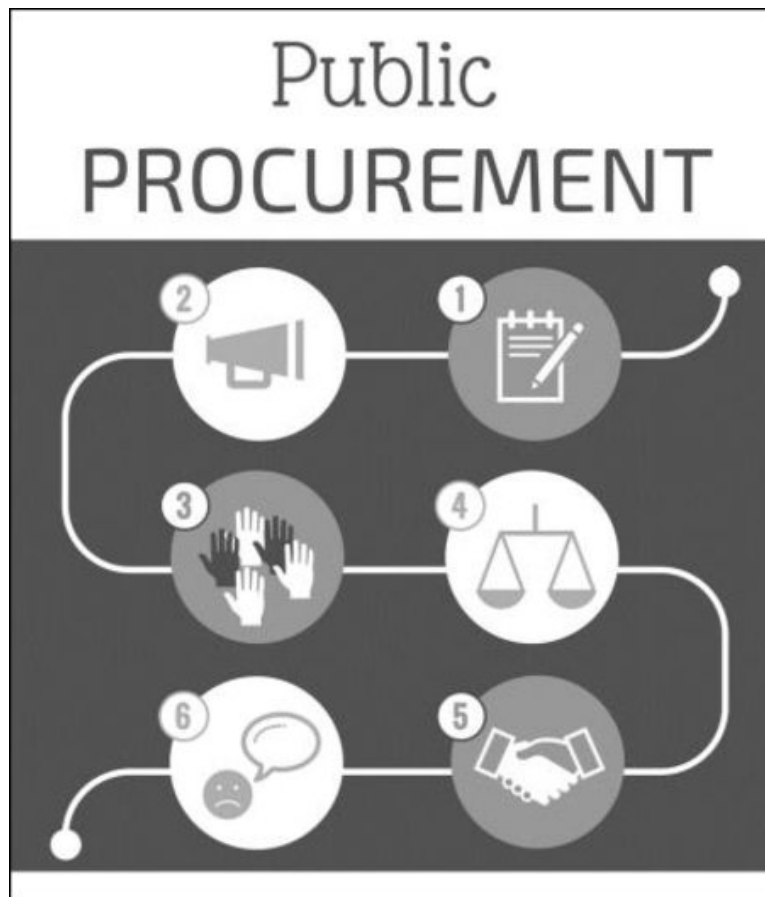


Fig. 2. Public procurement process

Public procurement process

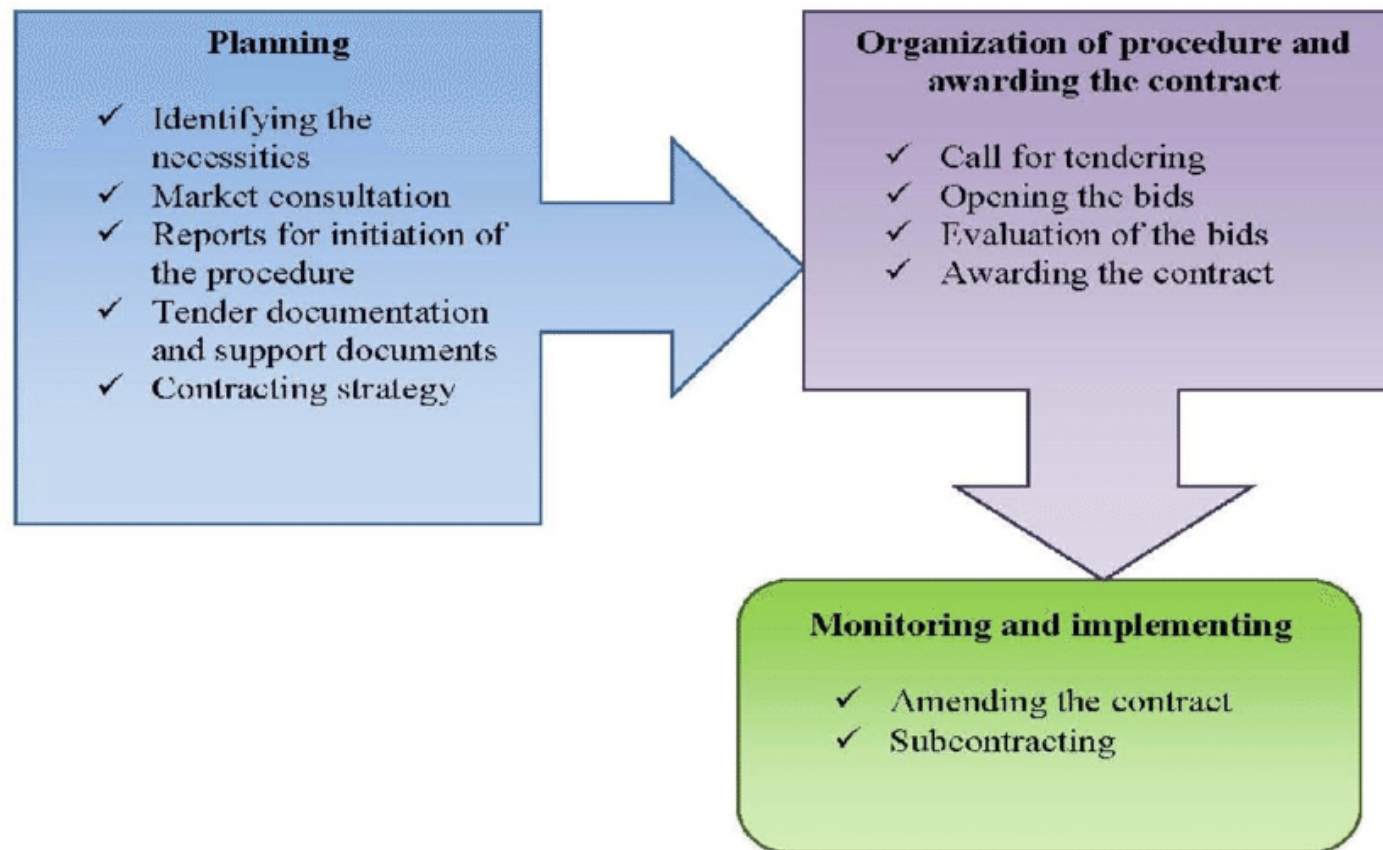


Fig. 3. Public procurement process in Romania according to Law 98/2016.

Hybrid agile approach

- The customer (municipality) should be fully involved
- The requirements (request for proposal or tender) have an essential role in the development process
- The contract is divided into short cycles – Scrum sprints
- (Not being afraid to) Change specifications and requirements!
- Close daily cooperation between representatives of contracting authorities (cities or governments) and developers
- Measure of success = the fulfilment of the contract award
- Sustainable development able to maintain a constant pace (whether it's fast or not)
- Essential is only simplicity = the magic in maximizing the amount of work done

- There are agile concepts applicable in public institutions / public procurement process
- Public procurement process as a series of sprints (Agile)
- Proposal of new hybrid agile approach in smart city projects
- The Agile principles require **active involvement** of contracting authorities in the smart city projects.
- Incremental development = the customer is involved actively in all stages of the project
- Smart and agile governance plays an essential role in the success of urban projects

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Q & A

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Thank you!

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