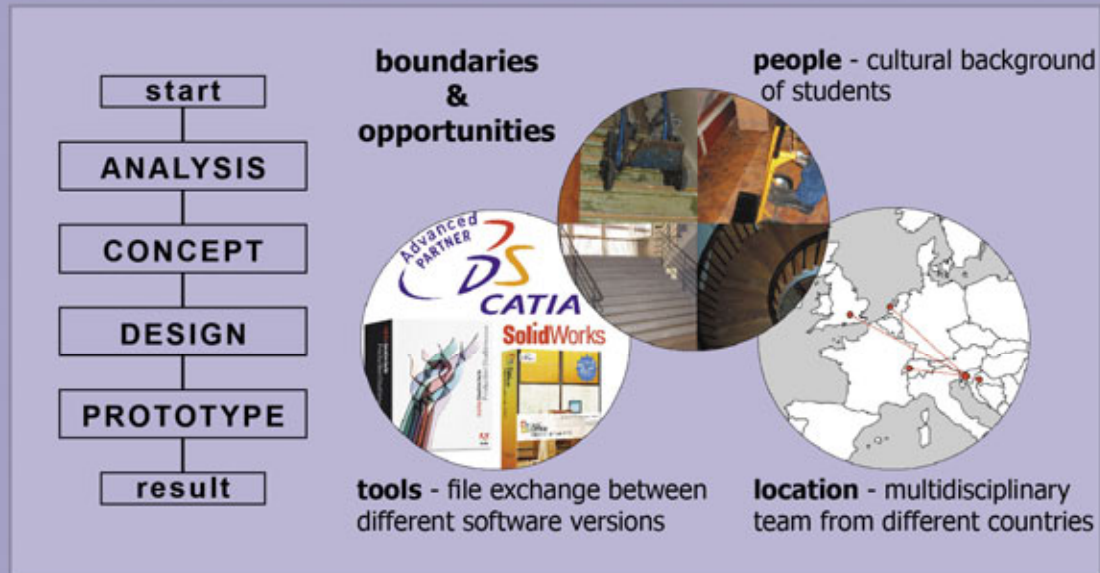


# European Global Product Realization 2006

## GLOBAL PROCESS



## CONCEPT FLEXTENDABLE

extendable in size

flexible in use

adaptable speed

delivery services  
construction site workers  
finishing workers

**stair climbing transport device**

- human & battery powered
- load capacity: 300kg
- speed: 0.1 m/s
- modular caterpillar units
- hydraulic wheel lift system
- intuitive manoeuvring
- lightweight and robust

Group 6: Igor Bogdanović, Rivaz Haniffa, Merlijn Kouprie, Joost van Rooij, Vaheesan Sinnathamby, Michael Staempfli, Danijel Vujica, Mathias Wittwer (June 2006)



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## LJUBLJANA WORKSHOP



human powered module to move on flat ground

handler

hydraulic pump and lever

caterpillar modules to move up the stairs

caterpillar module

## PROTOTYPE TESTING



Group 6: Igor Bogdanović, Rıvaz Haniffa, Merlijn Kouprie, Joost van Rooij, Vaheesan Sinnathamby, Michael Staempfli, Danijel Vujica, Mathias Wittwer (June 2006)



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