



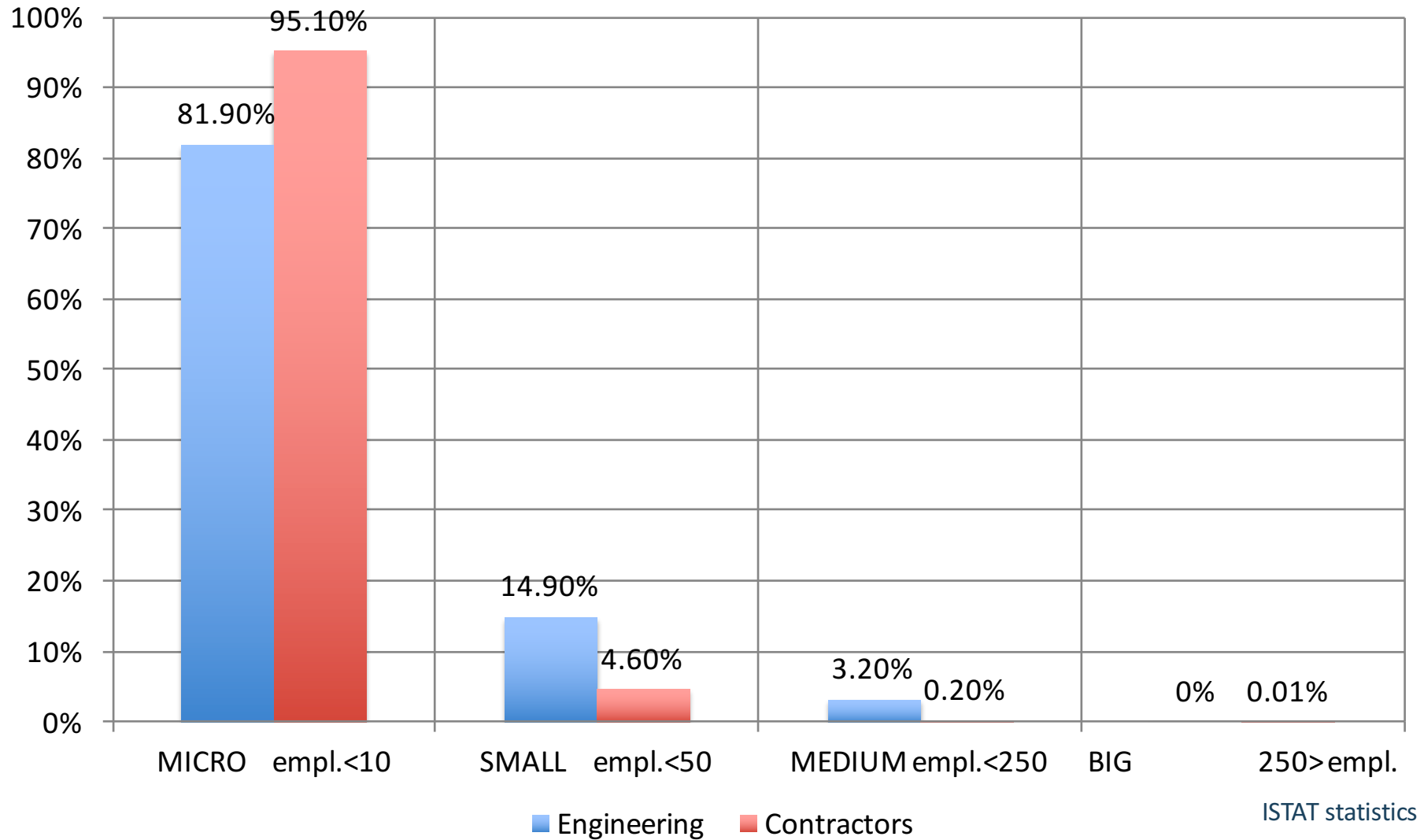
POLITECNICO
MILANO 1863

Building Information Modeling in Italy

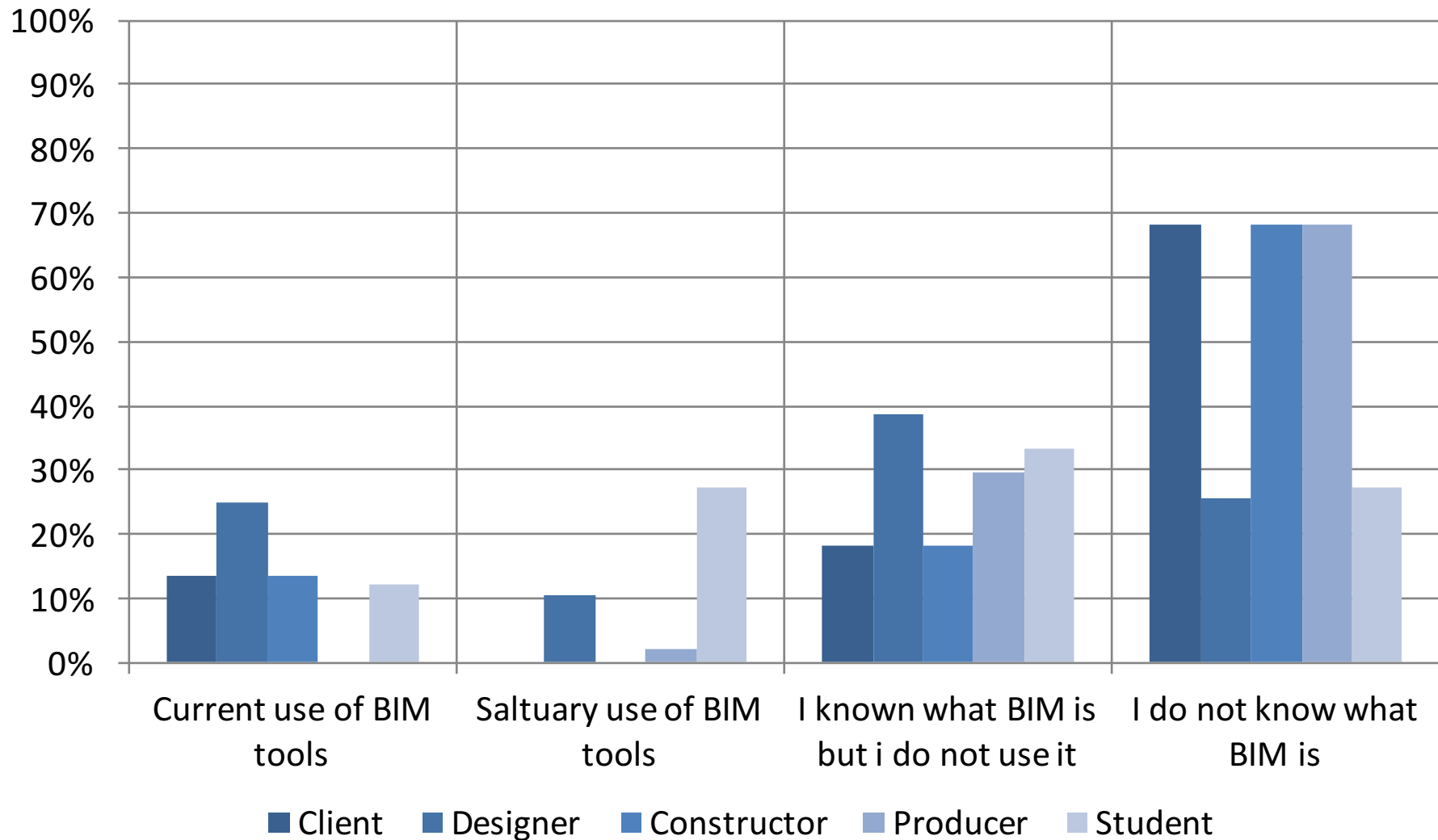
Fulvio Re Cecconi – ABC Department

The Italian construction sector

Engineering firms and contractors size



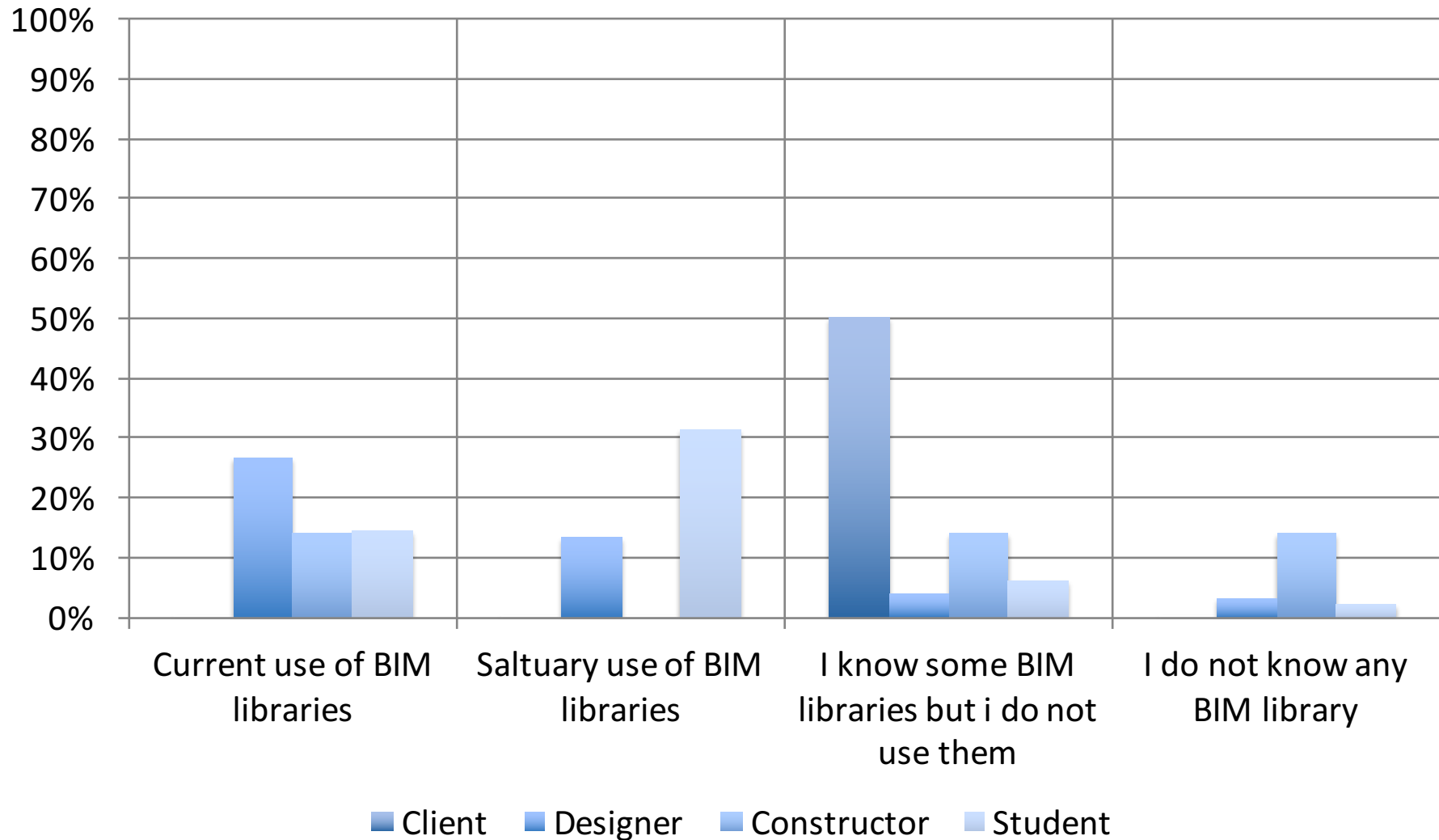
BIM use in Italy



Maltese, S. (2014), BIM: tutti sanno cos'è, ma quanti lo usano?, Ingegneri, No. 1, p. 5, ISSN 2035-8989.



Use of BIM library in Italy



Maltese, S. (2014), BIM: tutti sanno cos'è, ma quanti lo usano?, Ingegneri, No. 1, p. 5, ISSN 2035-8989.



How BIM is (mainly) used in Italy

- Not very well known by sector operators
- Visualization purposes
- Used during
 - design phase
 - maybe construction
 - but NOT during operation and maintenance
- 3D modelling, without much information connected
- Few people understood the potential



Government Mandate

Italy is among the few European countries still **without** a **Government mandate** on BIM.

Despite that...



INNOVance

A **three years** research project, which was awarded **€8 million** in **government support** (about half of its projected budget) to significantly improve energy and overall project efficiency while reducing errors and costs through expanded use of Building Information Modeling.

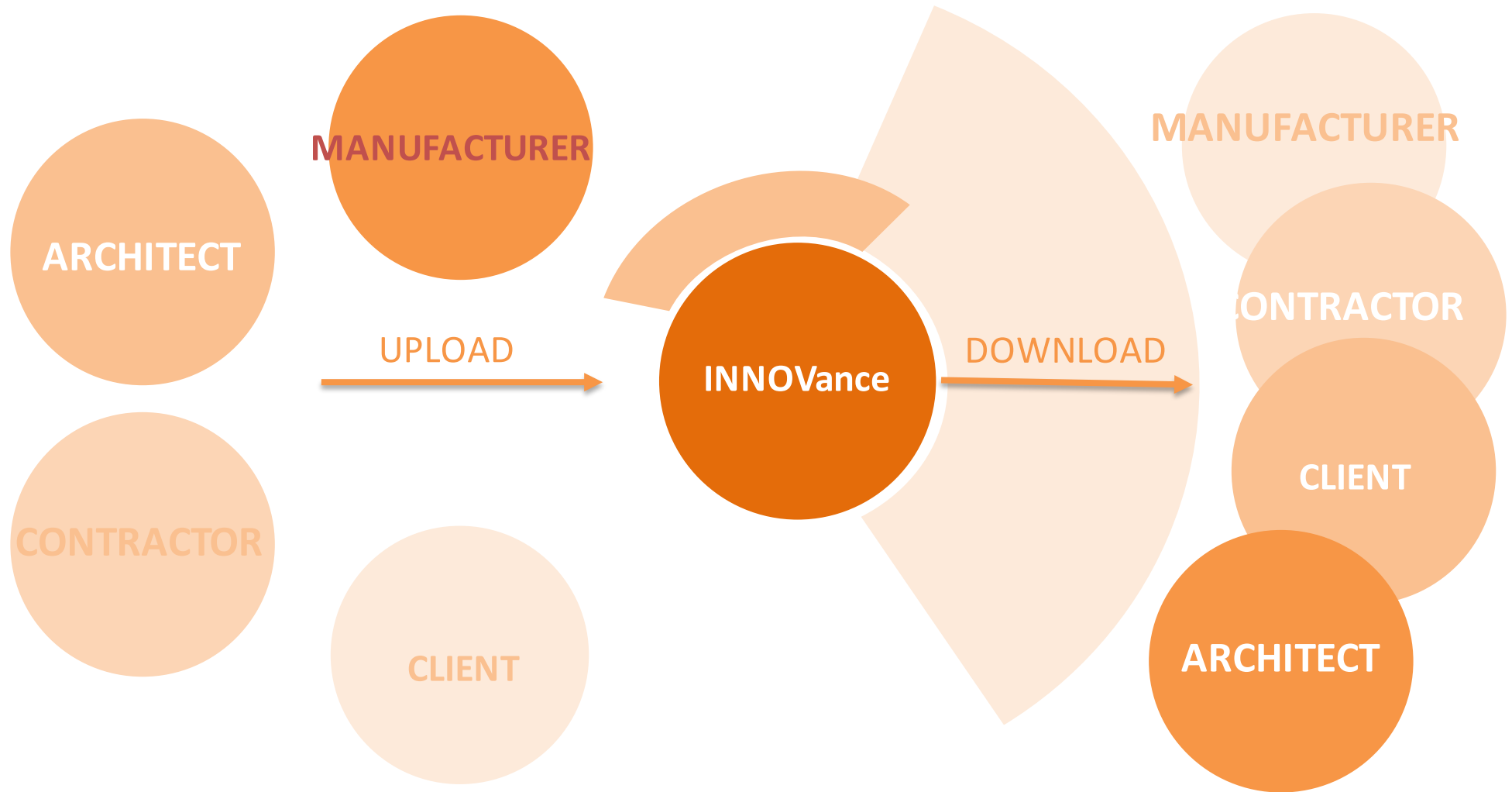
INNOVance project team consists of **15 major partners**, including: some of Italy's largest construction companies; three renowned universities in Milan, Turin, and Naples; all national associations of manufacturers of building components.

Pavan, A., Daniotti, B., Cecconi, F., Maltese, S., Spagnolo, S., Caffi, V., Chiozzi, M., and Pasini, D. (2014) INNOVance: Italian BIM Database for Construction Process Management. *Computing in Civil and Building Engineering* (2014): pp. 641-648.

doi: [10.1061/9780784413616.080](https://doi.org/10.1061/9780784413616.080)



INNOVance portal



buildingSMART Italy

- Founded ten years ago in the Politecnico di Milano
- The president is by statute the Head of ABC Department of the Politecnico di Milano (nowadays Stefano Della Torre)
- Board:
 - Lorenzo Bellicini, CRESME;
 - Luigi Cesca, Cimolai;
 - Angelo Ciribini, Università di Brescia;
 - Luca Ferrari, Harpaceas;
 - Marco Perazzi, di UNICMI;
 - Federico Sablone, Italferr.



UNI Italian Standard Body

UNI is drafting a **new series of standards** on digital built environment that are going to update the outdated UNI 11377:2009 Building and civil engineering works - Codification criteria for construction products and works, activities and resources - Identification, description and interoperability.

The first part **UNI 11377-1** Building and civil engineering works - **Gestione digitale dei processi informativi delle costruzioni** (it doesn't have an English title yet) is going to be published in the first half of this year.

