



Compedit

➔ **Developped** within the E-Mediate project (France Telecom)

➔ **What CompEdit is intended for ?**

- ① to provide a graphic editor to build or modify Fractal compositions
- ② to allow the launching of one or more instance of composition
(to become a supervision machine)
- ③ adaptation to specific cases (OSGI, ..) **always** in the frame of Fractal

➔ **Three aims imply three development steps :**

- ① Editor : Nov/dec. 2002 : version 0.7 (today : 0.7.5)
- ② Launcher / supervision machine : april 2003
- ③ Adaptation and ergonomical improvement : anytime



How does CompEdit Work (1)

➔ CompEdit deals with :

- ➊ Configuration **representation** expressed with a chosen formalism
- ➋ Configuration **instance** which can be freezed, modified and launched (for a further step)

➔ Normal use of CompEdit

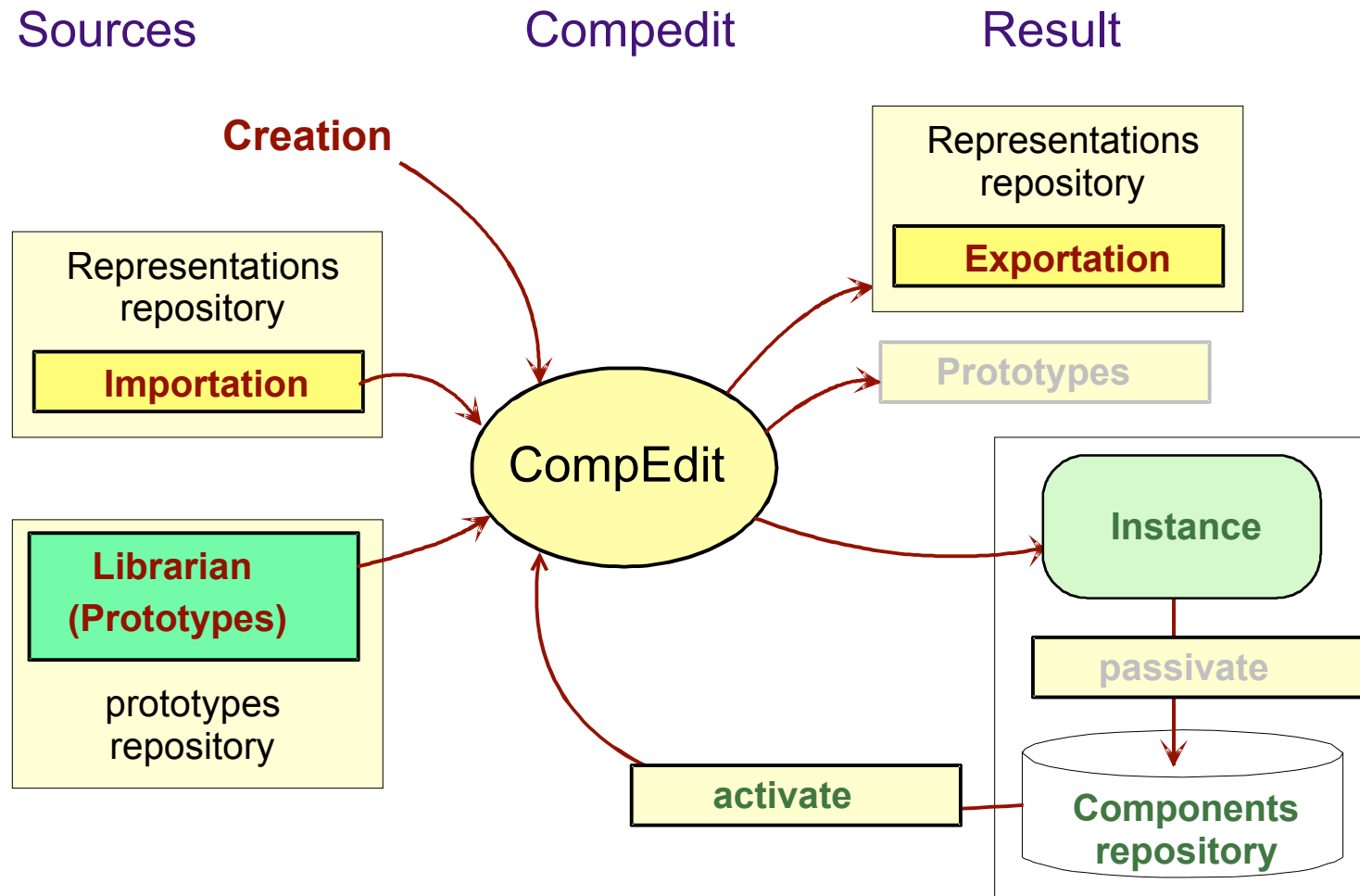
- ➊ Read or create some composites / components representation in order to build a new configuration or modify an old one
- ➋ Modify (adding, import, delete) all or part of components or configuration
- ➌ Store the result according to the chosen formalism

➔ Further use of CompEdit

- ➊ Launch all or part of configuration (using LifeCycle controller capabilities)
- ➋ ... and execution control.



How does CompEdit Work (2)



(diffusion contrôlée)

Constraints for CompEdit ⁽¹⁾



➔ To be ADL independent but to be able to read/write them :

- ① Each new ADL is treated by **two** visitors design pattern
 - Configuration is a visitable object
 - Several visitors can visit a same configuration
- ② But Fractal visitors are (will be) provided systematically
- ③ Compedit use an internal format (.cef) for extra data (i.e. graphical data)

➔ To be Fractal conformant

- ① Interfaces evolution (if any)
- ② ADL evolution (at present : version 1.0 available but visitors for version 1.0.5 are in progress)

➔ To be ergonomical and scalable

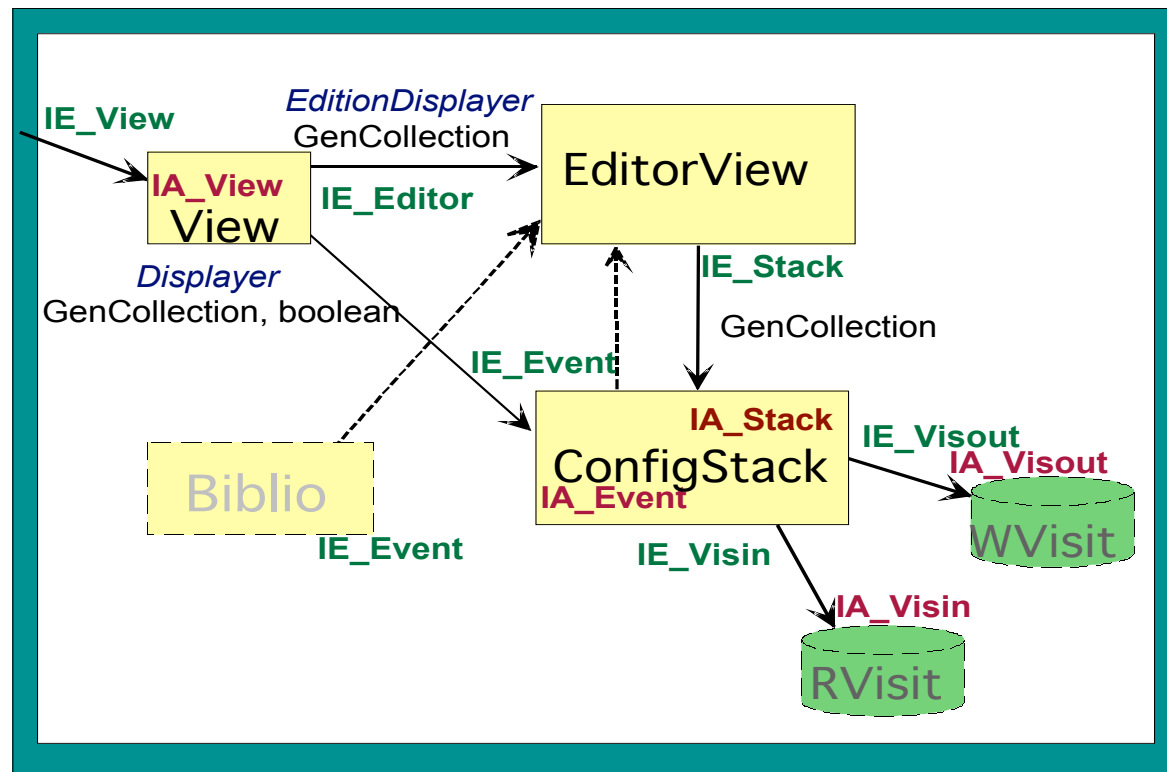
- ① Most actions with the least gesture (not easy at all !)
- ② To be able to deal with complex recursive structures

(1) i.e. for me !

(diffusion
contrôlée)

CompEdit is a Fractal composition !

- ➔ A boot component complete CompEdit itself.
 - ➔ At present, one can use several configurations for CompEdit (static choice).
 - ➔ As soon as possible : availability of dynamic modification.



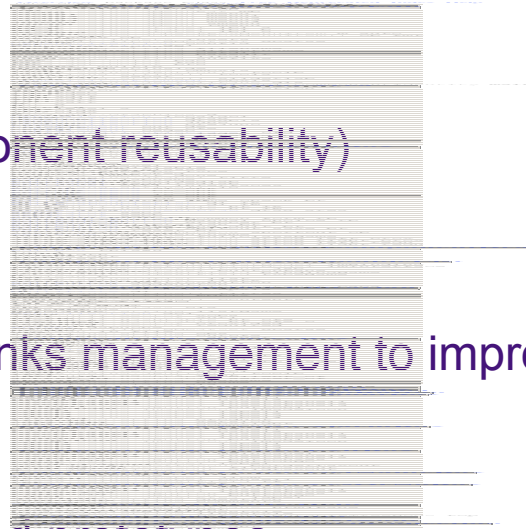
(diffusion
contrôlée)



Roadmap

(In decreasing order of priority)

- ➔ Import / export : ADL and their visitors
 - ➔ Fractal release 1.0.5
- ➔ IHM to complete
 - ➔ Wrapping (for component reusability)
 - ➔ Transparency view
 - ➔ JDK 1.4.x
 - ➔ Others (scalability, links management to improve, ...)
- ➔ Persistancy
 - ➔ for representation and prototypes
 - ➔ for instances (SGBD)
- ➔ Console of supervision





Avalability

- ➔ URL :
 - ➔ At present (FT R&D only) <http://tsing/~fauvel/compedit/>
 - ➔ Further : to be discuss

- ➔ Java : JDK 1.3.1 (Swing) and Fractal 1.0
 - ➔ adaptation to Release 1.0.5 in progress.

- ➔ XML parser : MParser (11 Ko)

- ➔ Download :
 - ➔ jar only (156 Ko)
 - ➔ All : **ce0_7_5.zip** (650 Ko) including sources, classes, doc, examples, repositories and mparser.jar :