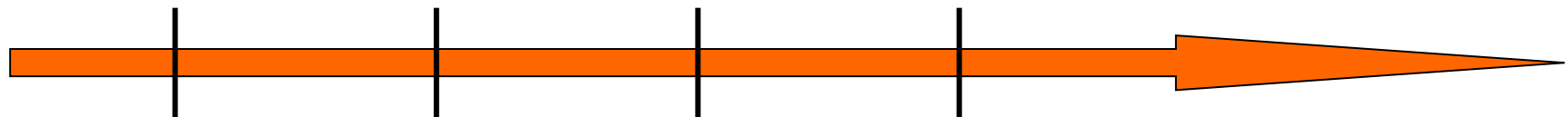


2nd Generation Biofuels R&D

Do we need a Different Research Infrastructure?

Alexandre Rojey

- Increase biofuels penetration in EU substantially and rapidly
- Achieve this result in a sustainable way
- Use a wider range of biomass resources, not competing with food applications (lignocellulosic biomass)





- Develop innovative and reliable processes
- Stay competitive
- Remain in a leading position, in view of other large initiatives.

- Most critical step
 - Achieve industrial deployment rapidly and efficiently
 - Establish the best synergy between different research and industrial stakeholders
 - Build-up confidence



- **Biofuels technology initiative**

An integrated program incorporating the following parts to be operated in a coordinated way:

- Concept definition and basic data acquisition
- Development : pilot plant installations
- Demonstration



- **Support for demonstration**

- **European technology initiative (ETI)**
 - A detailed program has to be defined
 - Funding level considered: 100 - 200 M€ per year*
 - Anticipated duration: 5 years*
 - Legal structure and entity to be formed
- **Demonstration and industrial deployment**
 - Funding of industrial plants not covered by ETI
 - Support needed during the deployment phase
 - Specific fund to be created (low interest rate loans, guarantee covering part of the risk...)

**To be assessed during next phase of TP work*