Noticeable achievements or progresses in Partitioning (Hydro & Pyro)?

- **Existence of national/international research programs**
  - **Roadmaps, milestones ⇨ Partitioning scenarios**
- **Alternative partitioning processes**
  - ***in Hydro*: chromatographic extraction, crystallization (not only based on solvent extraction)**
  - ***In Pyro*: interesting engineering studies**
- **Better understanding of the chemistry of minor actinide separation both in Hydro & Pyro fields**
  - **Use of performing analytical techniques**

What to do for further development in Partitioning (Hydro & Pyro)?

- **In solvent extraction, same concepts investigated everywhere**
  - **Amides, DGA, BT(B)P**

⇨ **new ideas should be fostered**

- **Move faster from basic R&D to scientific feasibility**
  - **To point out possible technical dead-ends and focus basic research programs on technical problems**
- **Study the integration of the partitioning processes in some "reference" fuel cycle scenarios**

Technical obstacle for further development in Partitioning (Hydro & Pyro)?

- **Not enough dedicated facilities ("hot" laboratories) to carry out demonstrative experiments on genuine spent fuels**
- **Difficulties to assess the sturdiness of partitioning processes developed at the laboratory scale**
  - **How to extrapolate from lab-scale devices to industrial workshops?**
  - **How to extrapolate the long term performances of the process at the industrial scale?**

Recommendations for further development in Partitioning (Hydro & Pyro)?

- **Let the door open for scientific creativity**
  - **Key to unlock closed doors and fill technological gaps**
- **Simplify/optimize existing partitioning processes**
  - **Address the challenges of what surrounds the core of partitioning processes**
    - **Waste minimization, links between P&T (conversion of minor actinides for fuel re-fabrication)**
- **Go further towards the demonstrate the industrial feasibility of partitioning processes**
- **Foster education programs**
- **Collaborate at the international level**
  - **ACSEPT: an example of European collaboration**