

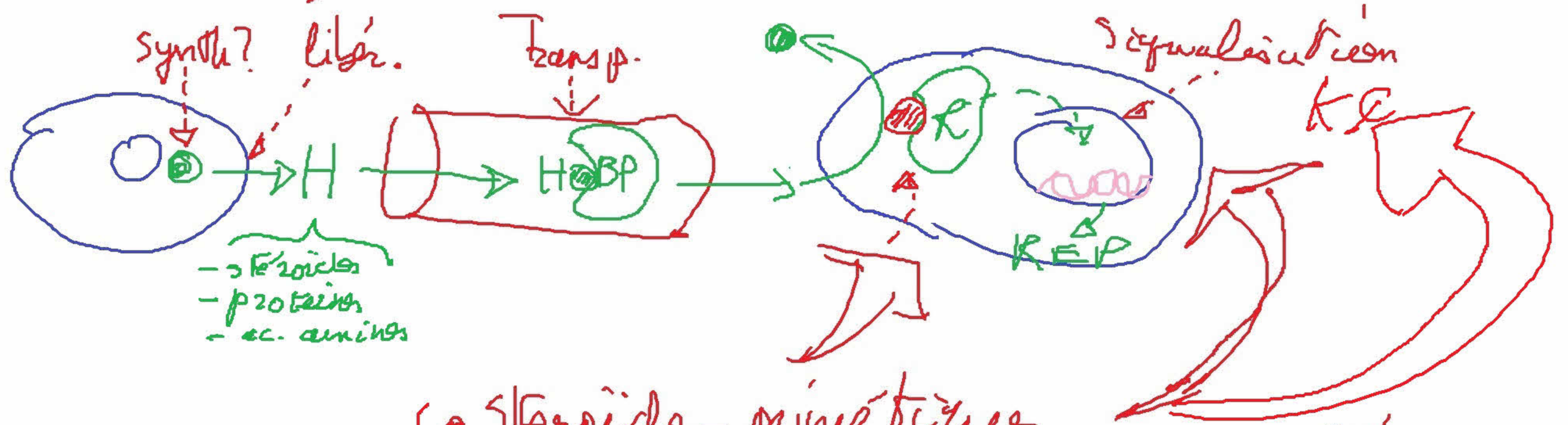
I - Bilan sur les P.E.

Endocrins

en théorie

P.E.

- Adénomes, K.G.
- anticorps (m. auto-immuns)

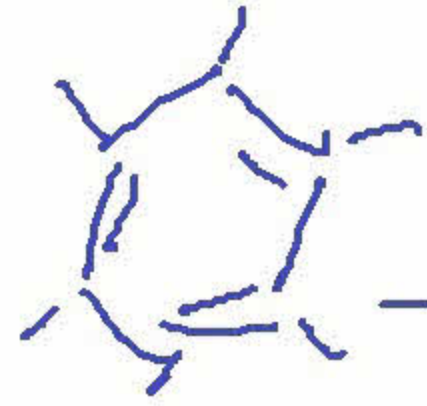


- Steroido-mimétiques
- effet P.E.

- Radicaux libres (DNA adducts)
- Effets NON-P.E.

II - Amines des p.E.

○ ~~Ar~~ phenols, benzènes
= organo-cycliques



→ stables, $\sim 700^{\circ}\text{C}$... !
(dioxine)

○ protéines, peptides ...
(polymères d'a. aminés)

→ métab., allergies
protéinose, thermolabiles

○ a. aminés ($R \begin{matrix} \text{NH}_2 \\ \text{COOH} \end{matrix}$) ...

→ métab., allergies

○ gaz (NO^{\bullet} , CO)

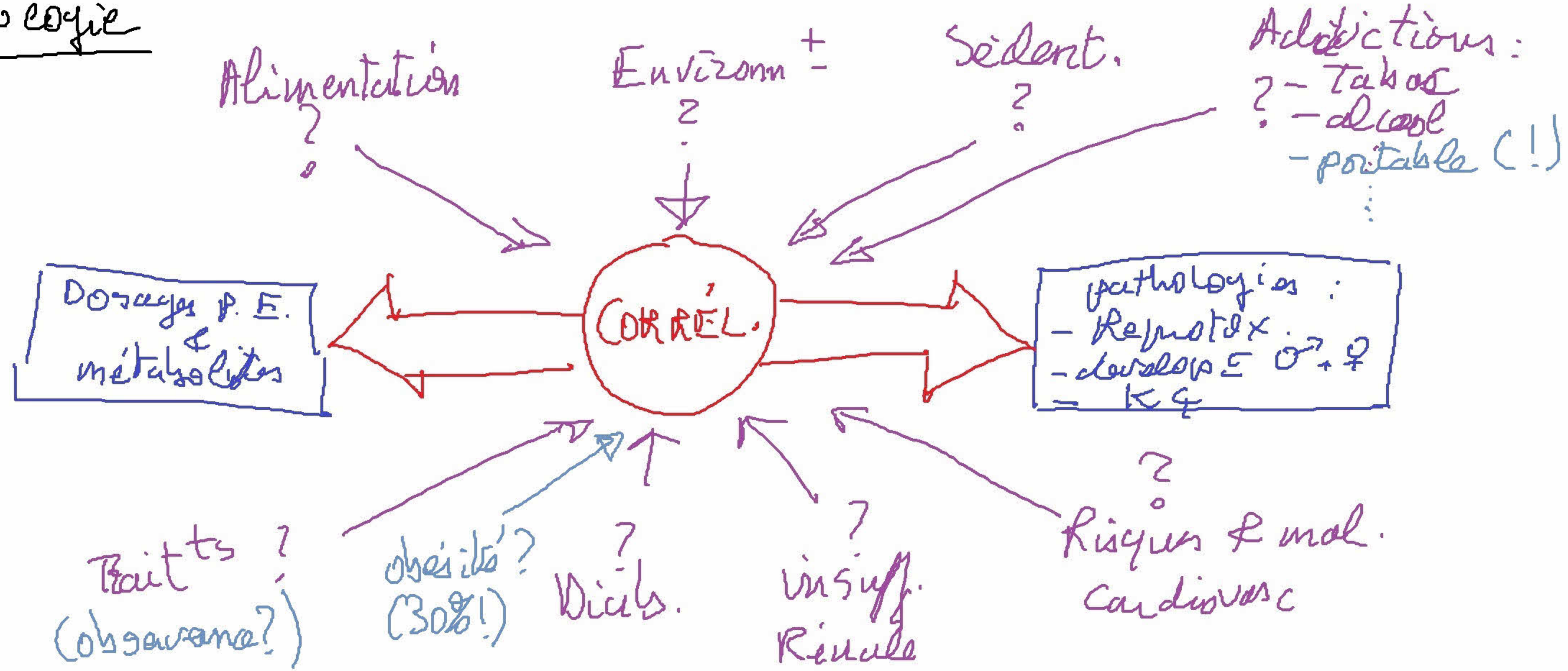
→ instables⁺⁺, métab.

○ DNA

→ pas H!, nucléares

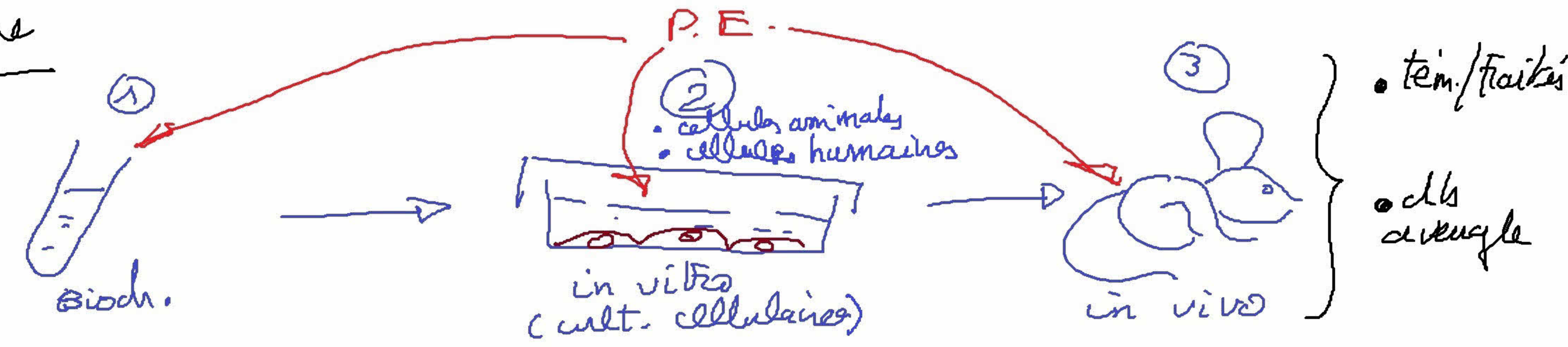
III - Epidémiologie

• témoins
(?)
• opposés

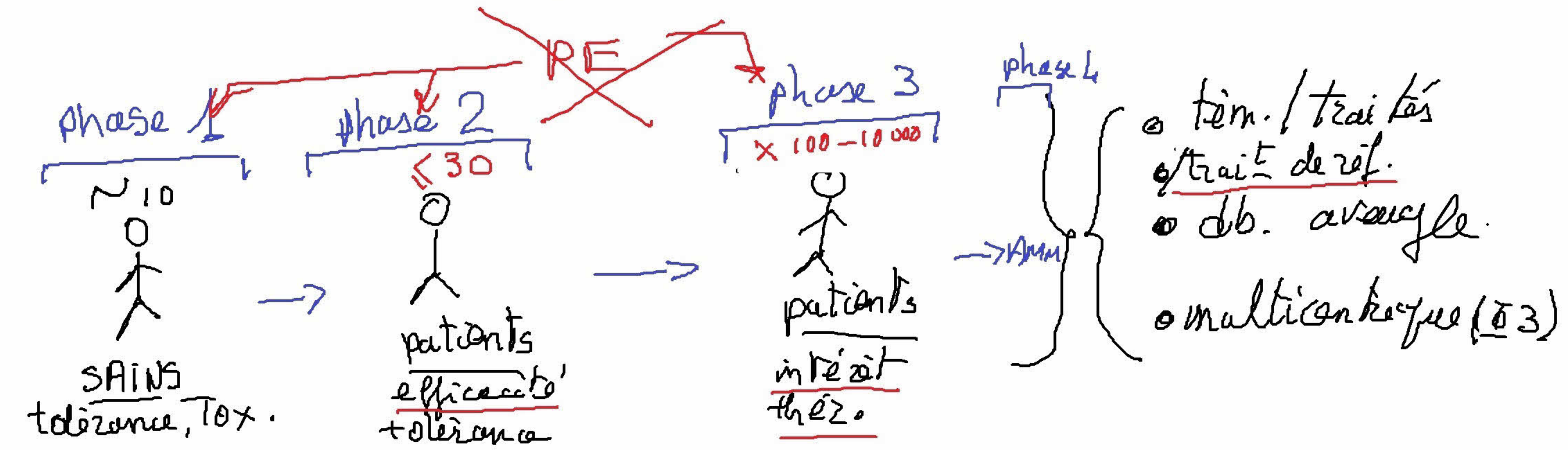


IV - Recherche

o Exptl -
= pré-clin.



o clin.



V - Organisation de la Recherche.

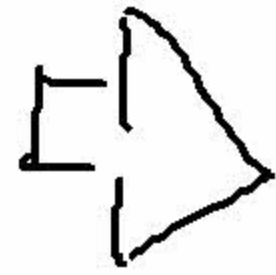
① Institutions ;

- Universités
- CHU
- Labo. propre



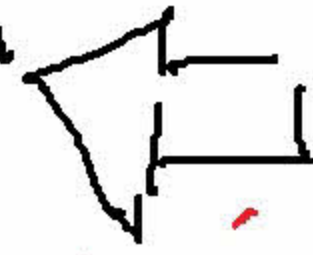
LABEL : 4 ans

- INSERM
- CNRS
- Rech. U.

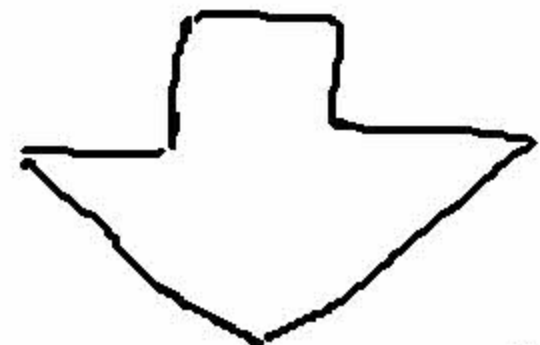


② Programmes

- 1-4 ans
- Collectivités
- ANR, plan cancer
- Ministères
- Fondations



o Europe



RECHERCHES

③ Partenaires

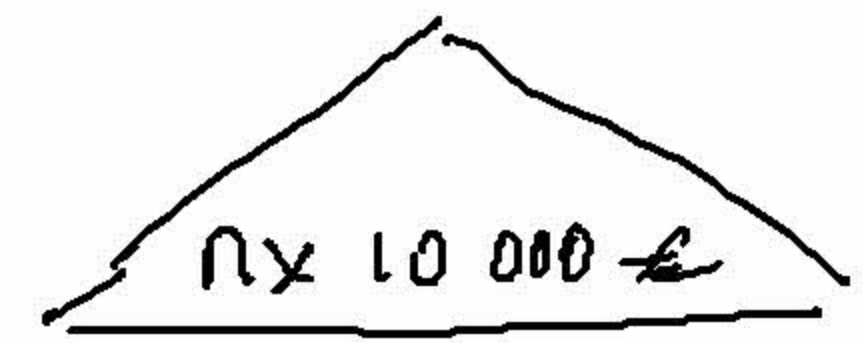
o Industries !

o Fondations

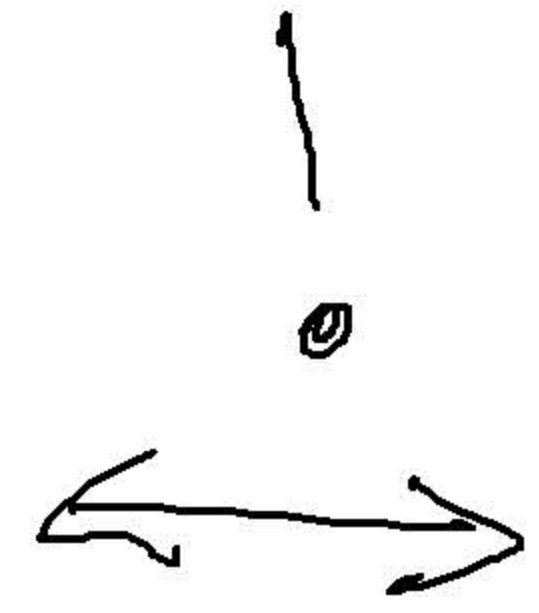
o Assoc.

VI - "combien de divisions?"

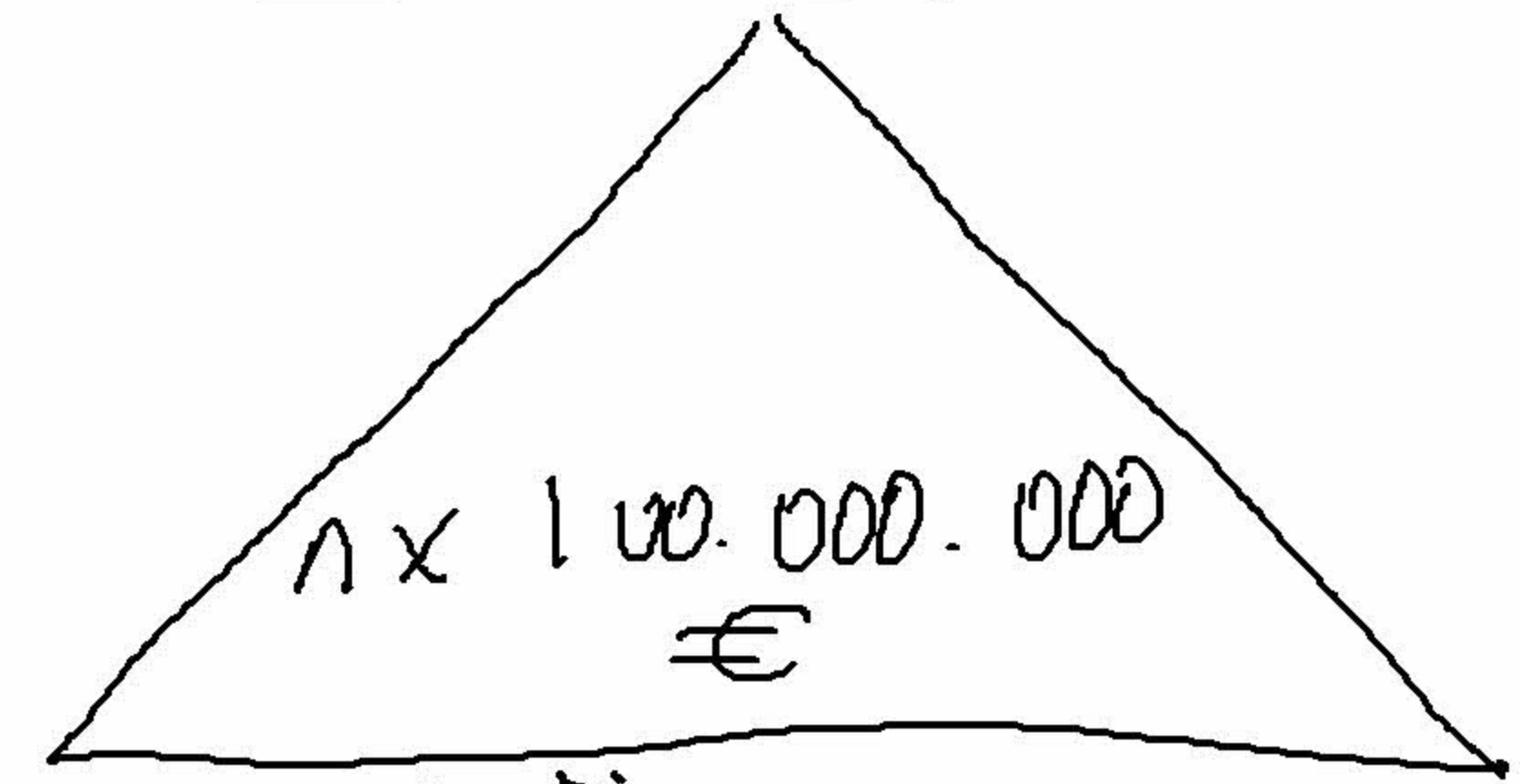
collectivité



• Recherche



industrie



- production
- pub.
- lobbying