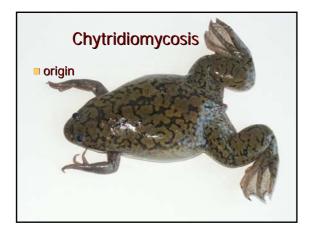
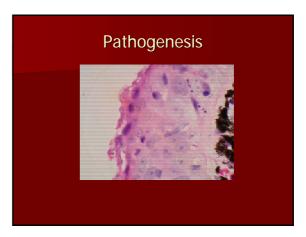
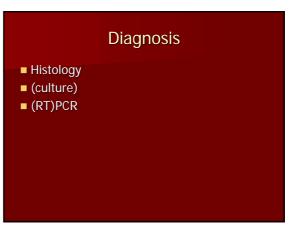


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# Situation in Belgium: wild

### 2005-2007:

- Die offs of amphibians in ponds: 23 cases: negative
- Preliminary screening 2005
  - B bufo 16
  - S salamandra 9
  - R temporaria 5
  - T alpestris 9
  - T helveticus 4
  - T vulgaris 4
    T cristatus 1

### Situation in Belgium: captive?

Regular outbreaks in captive collectionsProbably (!) wide spread



### *R catesbeiana* and chytrid?

- Garner et al. (2006): The emerging amphibian pathogen *Batrachochytrium dendrobatidis* globally infects introduced populations of the North American bullfrog, *Rana catesbeiana*. Biol. Lett. 2, 455-459.
- Belgium (Pasmans and Jooris, in prep.):

### **Open questions**

- Situation in Belgian amphibians?
   Large scale monitoring eg during reproduction
- Pathogenicity of Bd for our amphibians?
- Clinical disease / fitness / reproductive success etc...
- Pathogenesis of Bd in amphibians?
   In vivo and in vitro pathogenesis studies
- Control measures applicable in the field?

## Running projects

- Systematic screening of native amphibians, brought for necropsy for chytridiomycosis and ranavirosis
- Pathogenesis of Bd infections in amphibians (PhD study, from 1/10/2008)