« NaturAdapt, the indispensable adaptation. »

LIFE NaturAdapt
Method & key concepts

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Reminders:

• The project aims at proposing a workable method for PA managers to carry out vulnerability assessments and adaptation plans to climate change.

• A first draft of the method has been designed last year and is currently being experimented on 6 sites in France.

• It will be revised and tested again on 15 other sites next year before its dissemination across Europe starting 2022.
Overview of the 6 sites:

1 - LILLET DES NIGES
  - Milieu: côtier
  - Zone: atlantique
  - Gestionnaire: LPC

2 - SIXT-PASSY
  - Milieu: forestier et rocheux
  - Zone: alpine
  - Gestionnaire: Asters

3 - CHASTREIX-SANCY
  - Milieu: agropastoraux et humides
  - Zone: continentale
  - Gestionnaire: PNR Volcans d'Auvergne

4 - FORÊT DE LA MASSANE
  - Milieu: forestier
  - Zone: méditerranéenne
  - Gestionnaire: FRNC

5 - TOUBIÈRES DU MORVAN
  - Milieu: humide
  - Zone: continentale
  - Gestionnaire: PNR Morvan

6 - PETITE CAMARGUE ALSCAINEE
  - Milieu: humide
  - Zone: continentale
  - Gestionnaire: Association PCA
Overview of the current method:

1. **Defining the Scope**
   (3 kinds of « objects »: natural elements, management tools, practices)

2. **Exploring the Evolution of Climate**
   (on the PA)

3. **Exploring the Evolution of Pressures**
   (on the PA)

4. **Assessing the Vulnerability**
   (of the objects towards climate change)

5. **Anticipating Newcomers**
   (species, habitats, etc.)

6. **Carrying Out a Prospective Assessment**
   (of the PA)

7. **Choosing an Adaptation Strategy**
   (for the PA)

8. **Defining the Actions of the Adaptation Plan**
Focus on the vulnerability assessment concepts:

- Exposition to Climate Change
- Intrinsic Sensitivity
- Intrinsic Adaptive Capacity
- Exposition to Pressures
- Global Sensitivity
- Global Adaptive Capacity
- Vulnerability
Example

PA: Sixt-Passy natural reserve
Object: Lagus mutus (rock ptarmigan)

EXPOSITION TO CLIMATE CHANGE
High: T° rising faster in heights & decreased snowcover at this altitude

INTRINSIC SENSITIVITY
High to T° rise & snowcover

INTRINSIC ADAPTIVE CAPACITY
Medium: can move (bird), but costs a lot in energy + low plasticity

EXPOSITION TO PRESSURES
High: increase in summer hiking

GLOBAL SENSITIVITY
HIGH

GLOBAL ADAPTIVE CAPACITY
LOW to NULL

VULNERABILITY
HIGH
Thanks for your attention

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