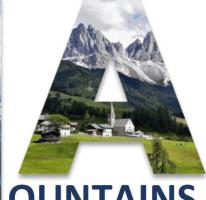




**EUROMONTANA** 







**OUNTAINS** 

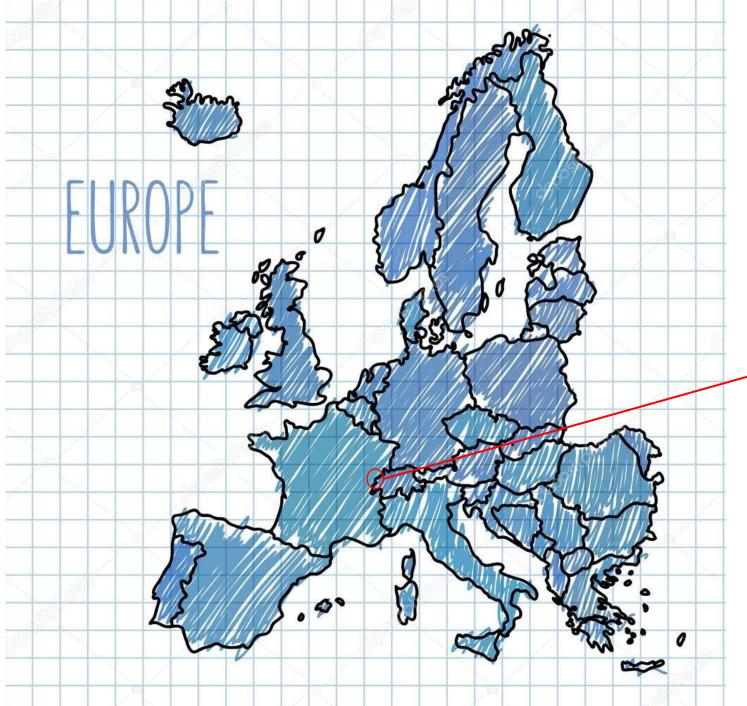
## **CLIMATE ADAPTATION: WHAT OPPORTUNITIES** FOR MOUNTAIN BUSINESSES?

Webinar • 27 May 2021 • 14:00 – 15:45

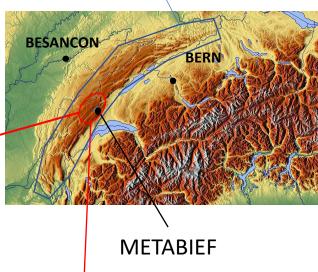
ADAPTING TOURISM MODEL OF METABLEF RESORT TO CLIMATE CHANGE

Olivier ERARD





### JURA MOUNTAINS



HAUT-DOUBS AREA







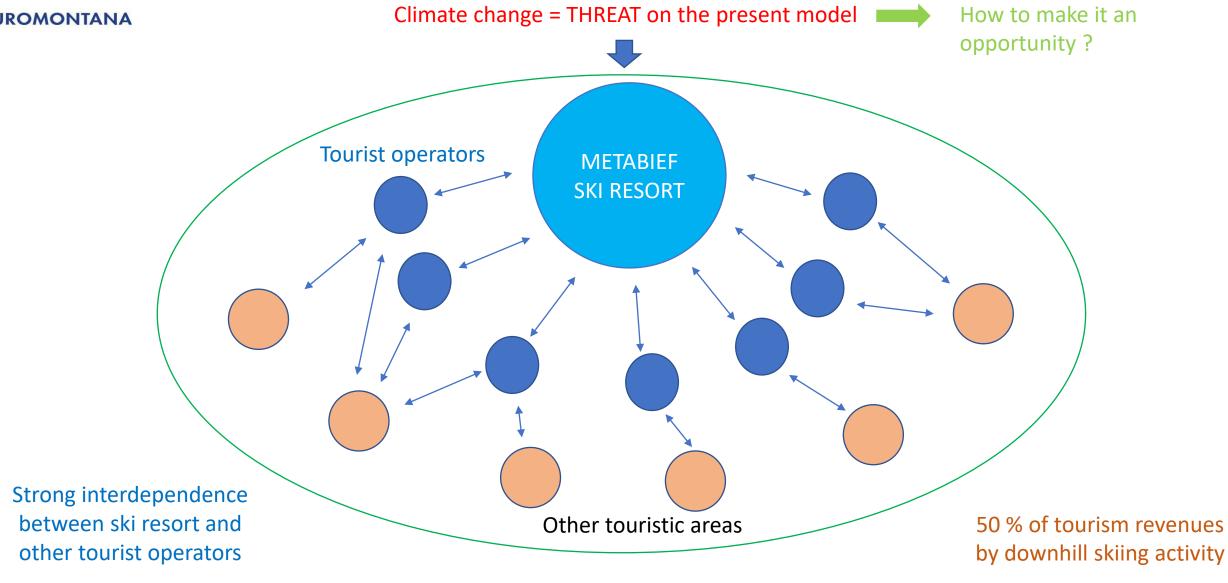
Altitude: from 900 m to 1 400 m 40 km of ski slopes (all levels) Snowmaking = 40 % of ski area



Downhill Mountain Bike : 25 km of trails (all levels) Alpine coaster Mountain hiking (all levels)



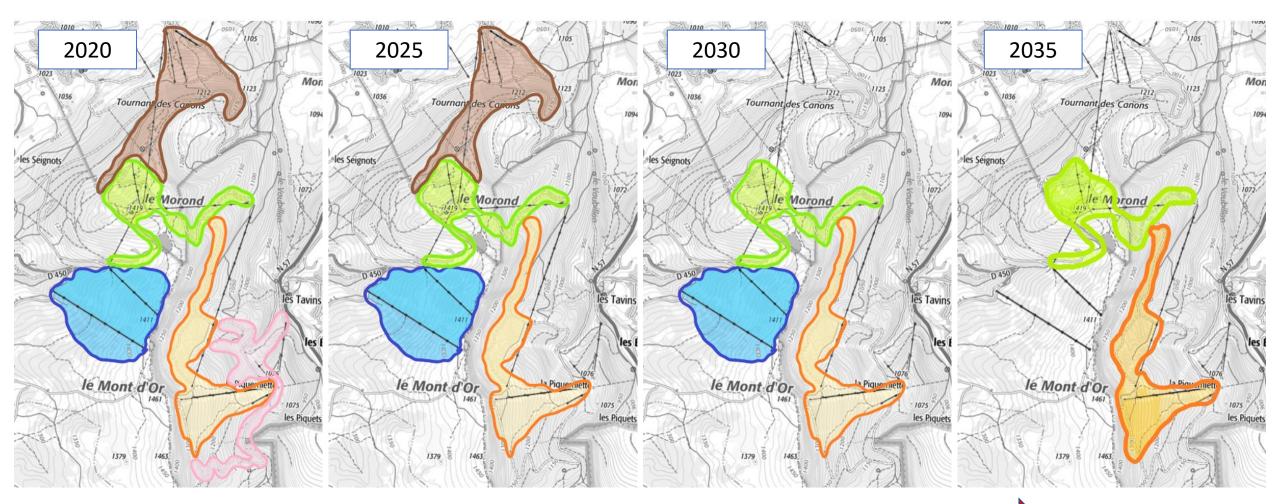
### Present business tourism model of Haut-Doubs area





## Internal approach of climate change effects on downhill skiing

- Limit rain / snow => increase of 100 meters for 10 years (hypothesis from regional climate model)
- Time available to make snow => loss of 6 hours per year (alpine thesis and analysis of local data)



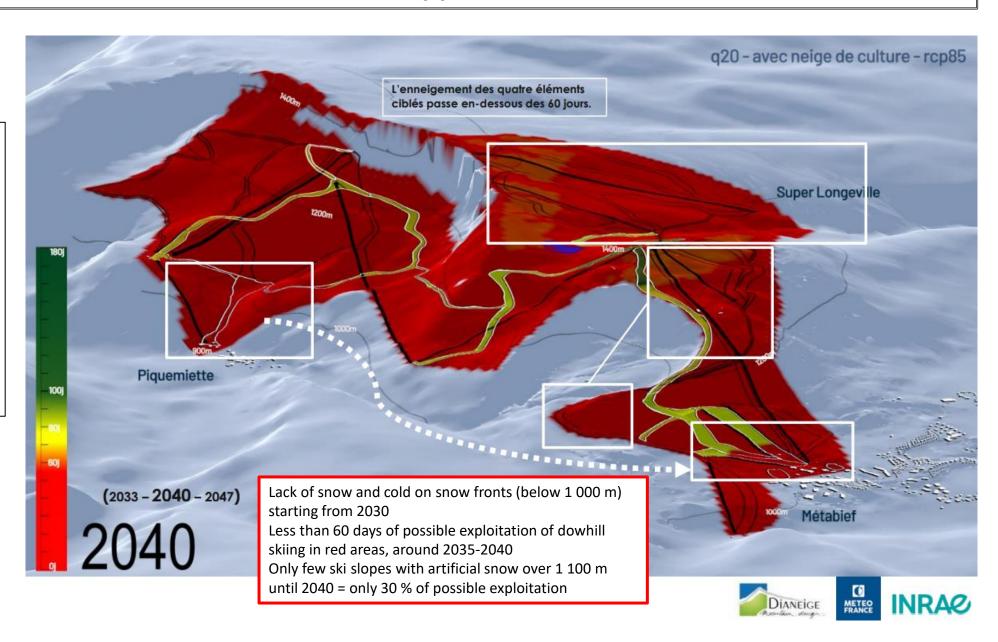


### **CLIMSNOW Model applied to Metabief resort**

2030 : very bad conditions ok ski product on snow fronts
2035 : less than 60 days of possible exploitation without snowmaking => economically non viable 2040 : only 30 % of possible exploitation => less than 50 % of sale revenues



Great loss of tourist attractiveness starting from 2030 and critical situation in 2035





Internal approach Local data 2016 Snowmakers analysis Strong commitment made 2017 by elected officials and Technical innovation to maintain ski lifts involving employees in without big investment climate change topic 2018 Dialogue Pedagogy Storytelling **CHANGE ACCEPTANCE** 2019 **Engineering for** climate change DYNAMIC PROCESS OF CHANGE transition 2020 **CLIMATE CHANGE TRANSITION** 

**STRATEGY** 

**CLIMSNOW Model** 

2021



## Climate change strategy transition for ski resort







Maintaining downhill ski with limited investments and decreasing the snow dependent debt

### Today







Limited development of sustainable OUTDOOR activities on the mountain massif in order to increase the environmental wealth of the area and preserve pastoralism and forestry









Risk = loss of 50 % of the tourism revenues

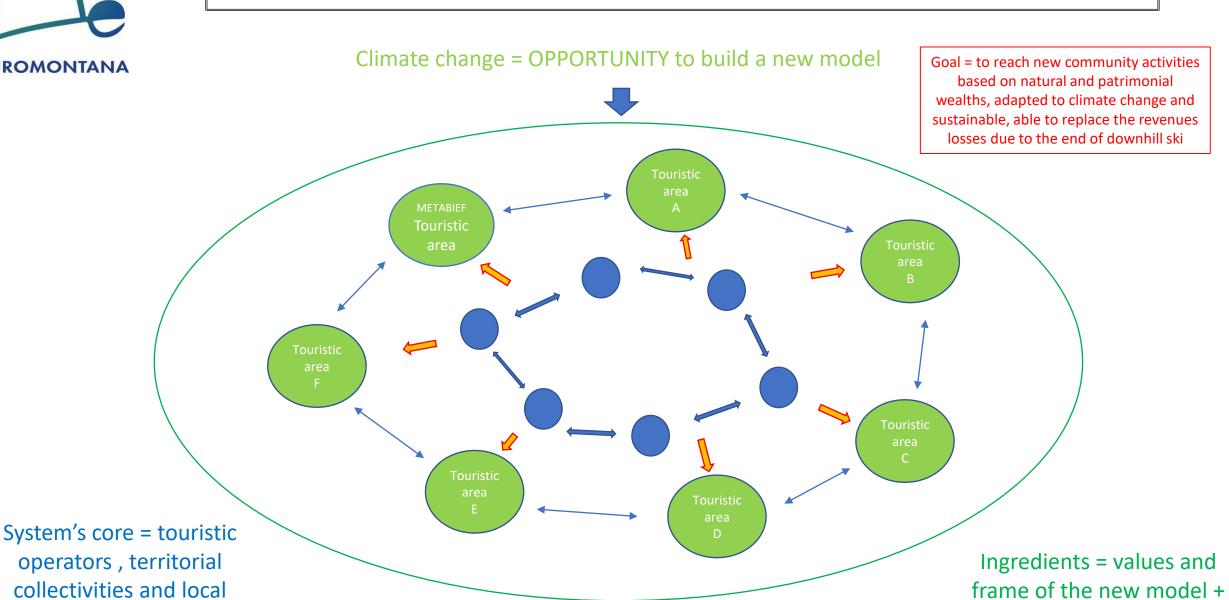
2030- 2035

End of tourism or opportunity to build a new Model?



inhabitants

### New business tourism model for Haut-Doubs area



cooperation



### Values and frame for a new tourism model on Haut-Doubs area

### **Branding with sustainable values**

# Creation of a brand to mark the turning point in tourism strategy



Frame for the action



#### SUSTAINABLE TOURISM

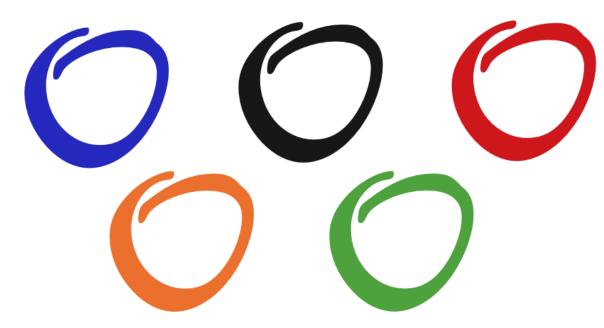
Developing tourist products that are accessible to the general public, accepted by local inhabitants and adapted to climate change

#### HUMANISM

Human as the system's core to promote human values: health, well-being, social inclusion and cohesion, personal development

#### **CIRCULAR ECONOMY**

Developing local products between local operators, creating local marketing networks and enhancing professional skills



#### INNOVATION

Developing the sense of change and skills to boost the spirit of creativity, in order to be flexible and agile

#### **ENVIRONMENT**

Putting biodiversity at the centre of activities and professional skills, empower people, making environment loved by people in ordre to protect it



## Cooperation for a new tourism model on Haut-Doubs area

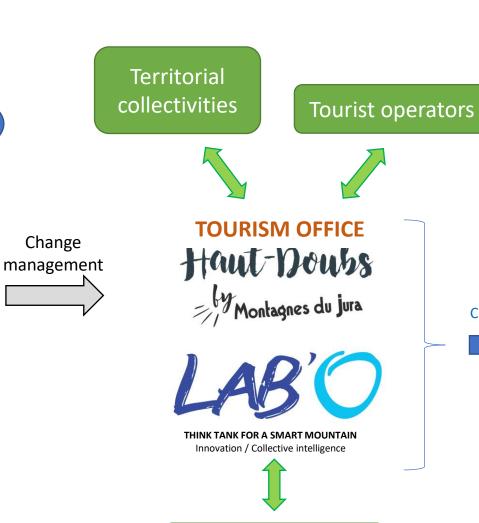
Levy on ski pass from METABIEF ski resort

Finance

Engineering for climate change transition

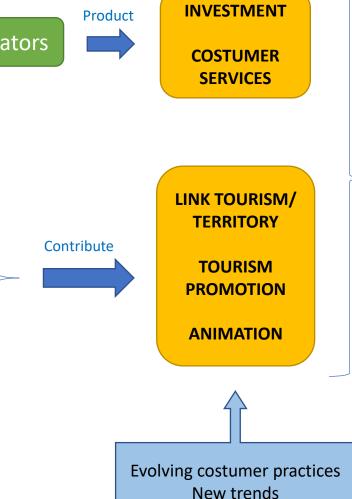


Project management for ski resort transition



Local inhabitants

Clubs



Progressif construction of a new tourisme model on Haut-Doubs area



### First ACHIEVEMENTS



e-bike network with digital tools for touristic discovery



Ultra Trail on Jura Mountain



Federation of OUTDOOR clubs



## Mountain Bike / Trail running / Nordic walking Project





## **Ongoing studies and experimental project**



**OUTDOOR** for disabled persons



MASTERPLAN for investments adapted to climate change





### **SUSTAINABLE OUTDOOR**













## First ideas from THINK TANK from design fiction work sessions











Federation of tourist operators for buying, lending, repairing and reselling OUTDOOR tools



## First ideas from THINK TANK from design fiction work sessions



New touristic activities



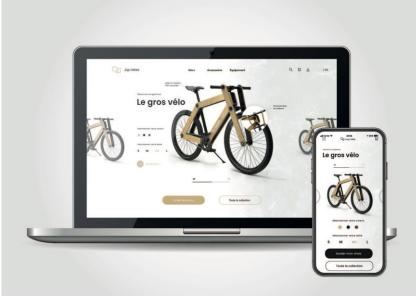
## First ideas from THINK TANK from design fiction work sessions

Découvrez l'app Juju on the move la station partagée









Mountain bikes made in Jura