

fire garden



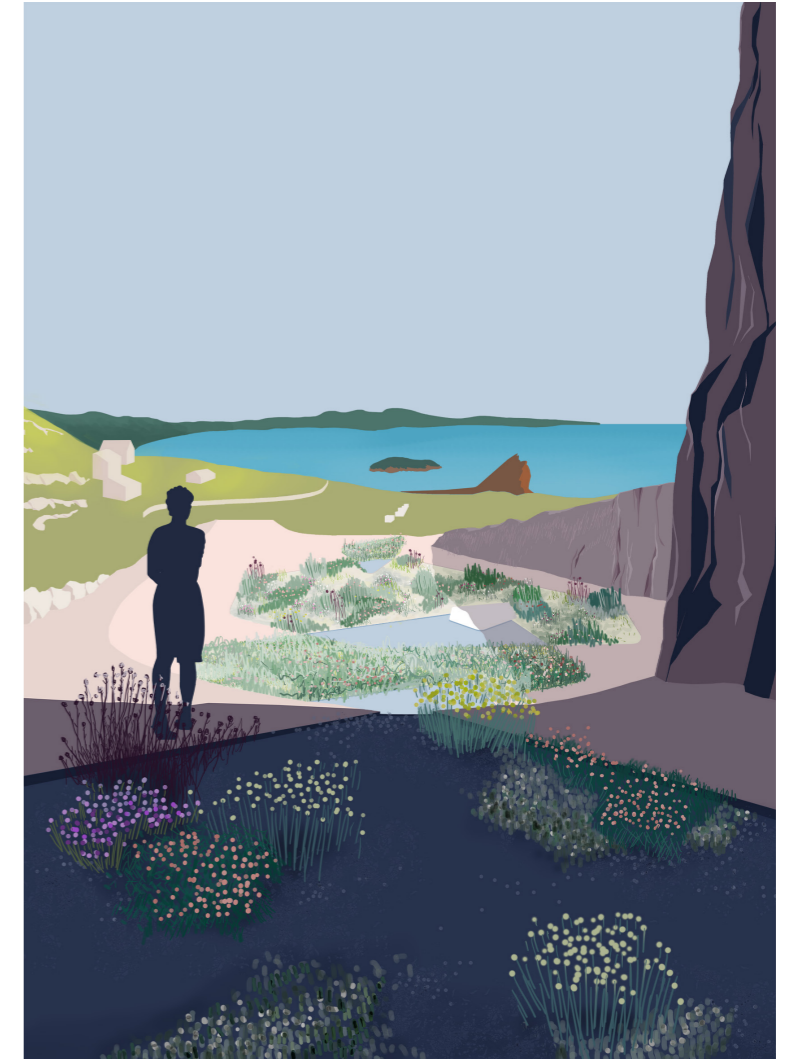
printemps

wind garden



hiver

water garden



l'automne

Country / City ..... United Kingdom / Edinburgh  
 University / School ..... University of Edinburgh / Edinburgh School of Architecture and Landscape Architecture  
 Academic year ..... 2017 - 2018  
 Title of the project ..... PROTOTYPES FOR A THIRD NATURE  
 Authors ..... Emily Cropton





# PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 **Barcelona**

SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC  
ETSAB- Escola Tècnica Superior  
d'Arquitectura de Barcelona  
Avenida Diagonal, 649 piso 5  
08028 Barcelona-Spain

## TECHNICAL DOSSIER

Title of the project PROTOTYPES FOR A THIRD NATURE  
Authors Emily Cropton  
Title of the course Individual Landscape Portfolio  
Academic year 2017 - 2018  
Teaching Staff Elinor Scarth and Lisa Mackenzie  
Department/Section/Program of belonging Department of Landscape / MLA Landscape Architecture  
University/School University of Edinburgh / Edinburgh School of Architecture and Landscape Architecture

### Written statement, short description of the project in English, no more than 250 words

The project proposes the creation of a series of public gardens situated between the National Park of the Calanques and the town of La Ciotat on the French Riviera. The gardens mediate between the control of the landscape in the city, with its ornamental planting and avenues of specimen trees, and the control of the landscape in the national park, where the geology, topography and weather is allowed to act as designer. In these new spaces, a third nature is created where designed intervention reacts with environmental forces to set in motion new dynamics which are sensitive to the seasons, orchestrating the processes which already shape the national park and pulling them into the focus of a garden. The staging of landscape phenomena events on this geographical threshold, creates a magnified nature where people come into an intense contact with the landscape. Whilst the initial move is made by people, it is the environment which creates the gardens over the long-term and seasonally the landscape phenomena events. The design of the interventions aim to be efficient, not just in their own construction, but by maximizing the effect of the available environmental resources which will shape the gardens into the future. Each garden is created on the site of a previously managed landscape and reacts to these existing geometries; a limestone quarry, olive tree terraces and a pine plantation.

For further information

**Máster d'Arquitectura del Paisatge -DUOT - UPC**

T: + 34 93 401 64 11 / +34 93 552 0842

Contact via email at: [biennial.paisatge@upc.edu](mailto:biennial.paisatge@upc.edu)

Consult the web page <http://landscape.coac.net/>



### 1 | Fire garden

Dry limestone walls threaded through the pine plantation define a pattern of prescribed burning to decrease the forest fuel load and prevent the spread of wildfire. The fire creates a gradient of evolving successional vegetation stages culminating in a cork oak grove, a fire-resistant climax species of the National Park of the Calanques.



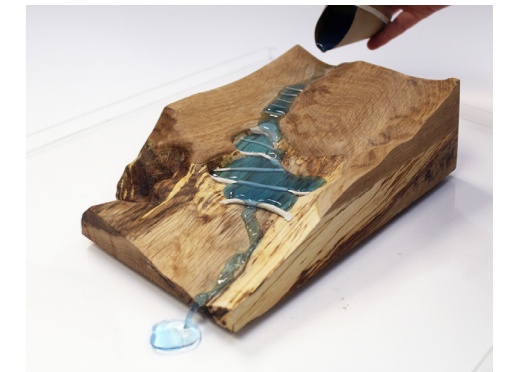
### 2 | Wind garden

Lines of coastal Australian cypress trees face the powerful mistral wind and and cast concrete walls reflect the sun's heat to create a patchwork of micro-climates. Planting within the patchwork forms a living experiment where the suitability of plants from Mediterranean climates around the world can be tested.



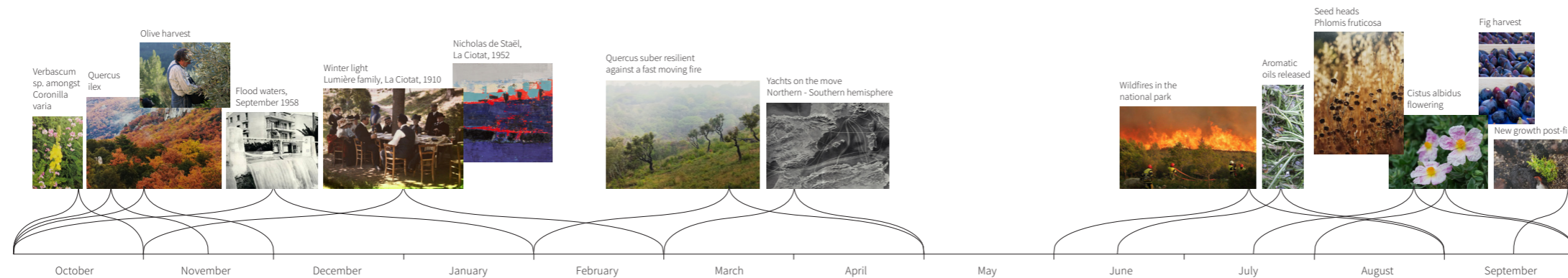
### 3 | Water garden

Excavations of the quarry floor create large shallow pools which diffuse the power of heavy rains and enabling the existence of fields of vegetation. The flowering steppe changes colour through the year, but blooms quickly and briefly after the spring and autumn rains, producing a dramatic sea of colour.

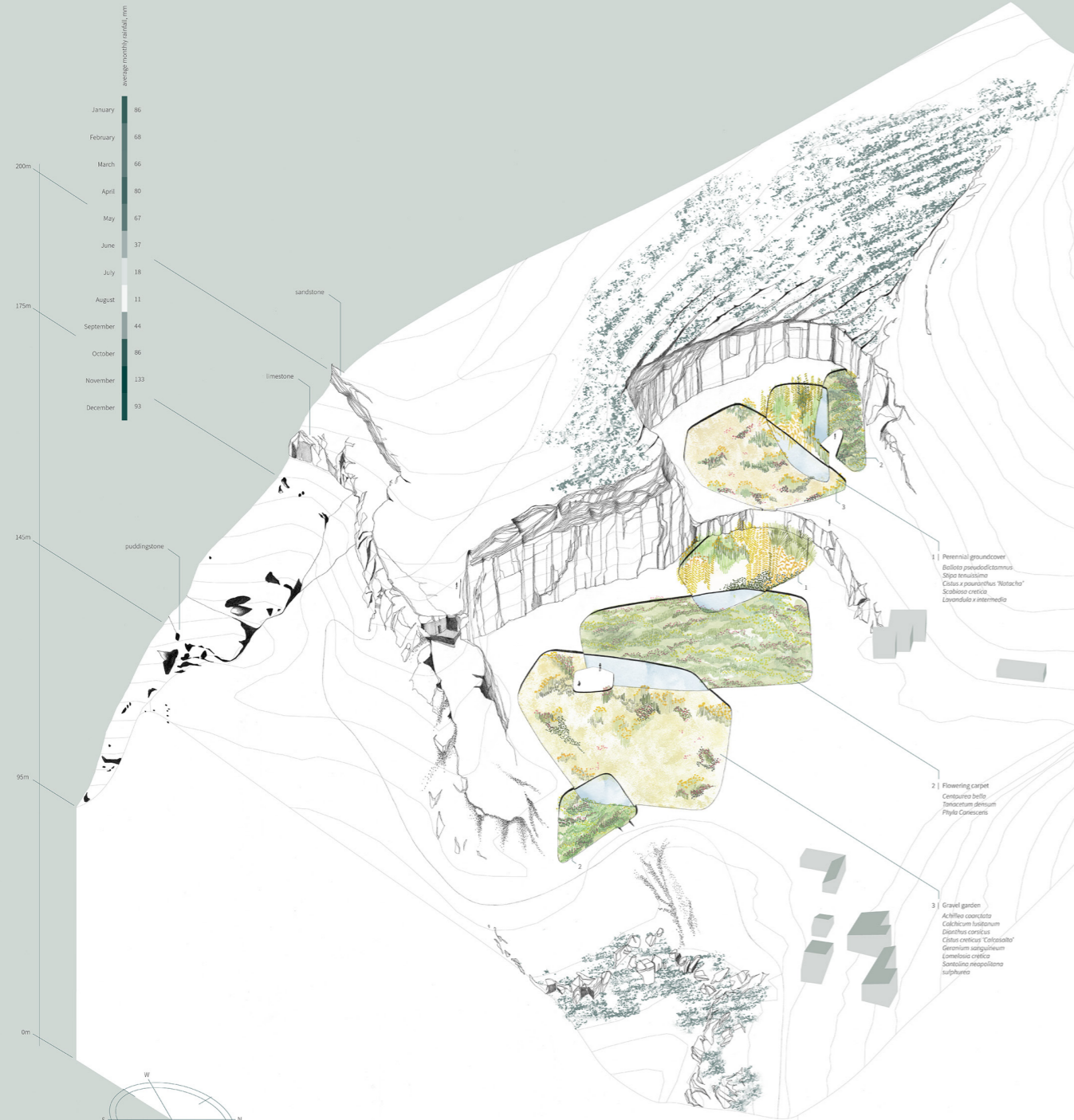


Above  
Sites of intervention

Right  
Seasonal landscape phenomena events



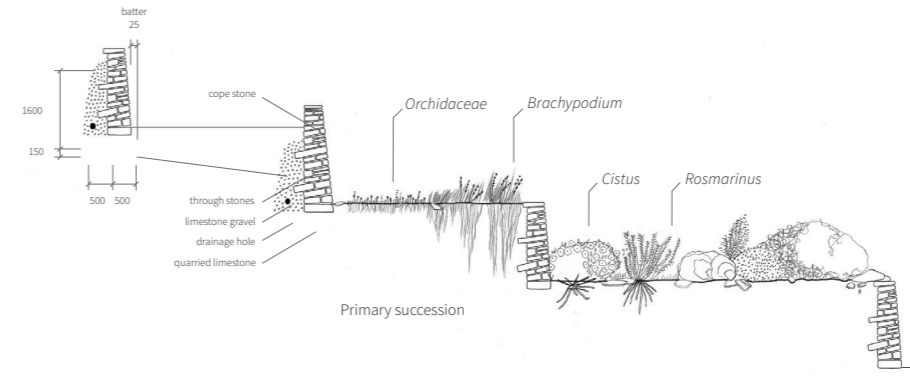
# water



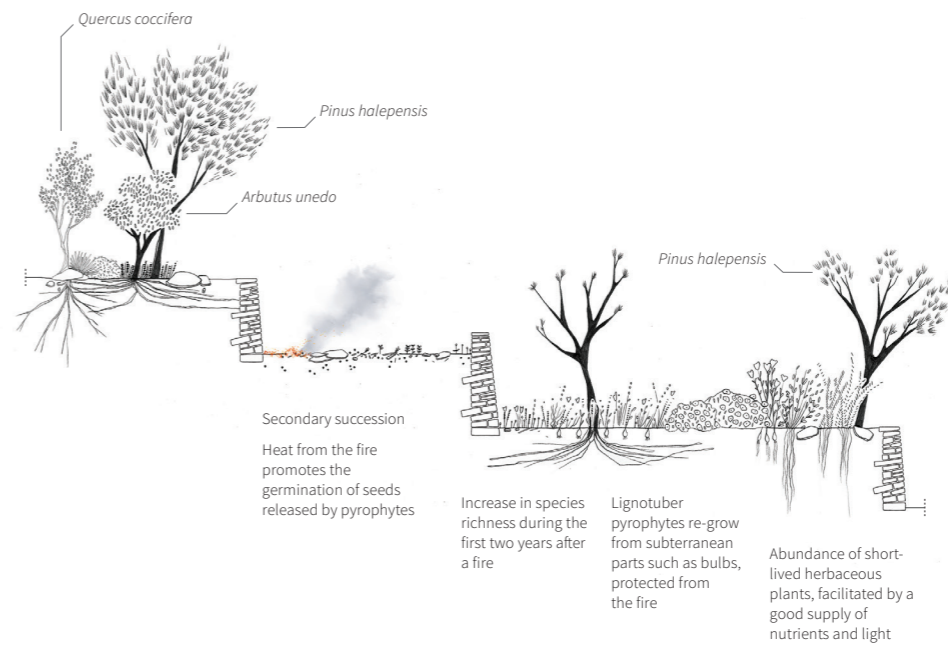
Site design at 1:500  
Autumn 2025 forecast  
Le Grand Tete, La Clotat  
Emily Crepton

# fire

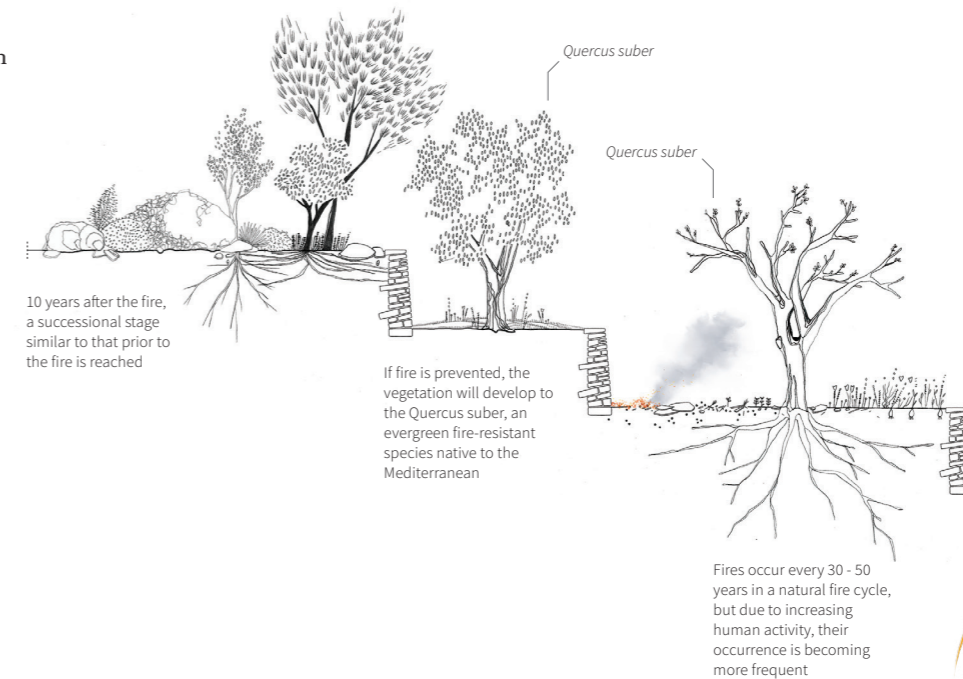
## intervention



## reaction

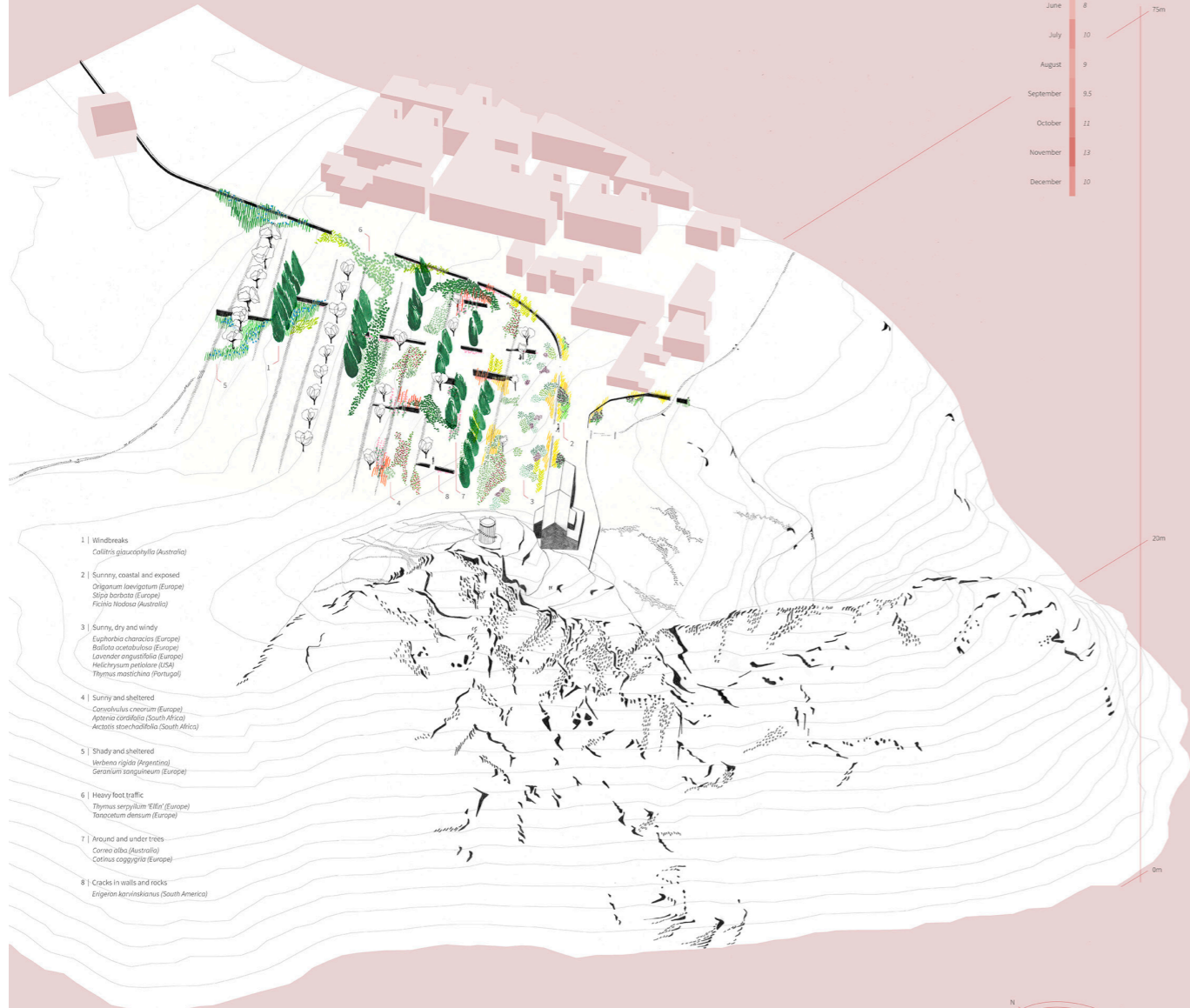
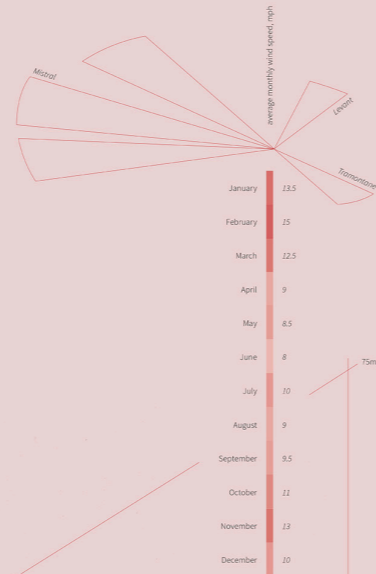


## evolution



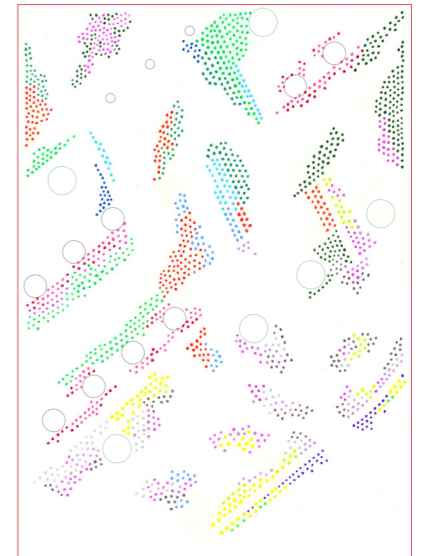
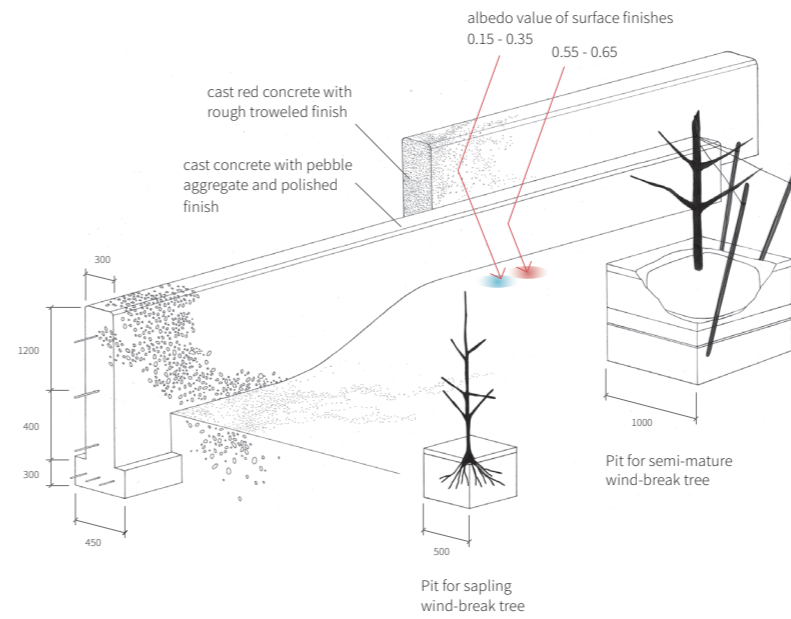
10

# wind



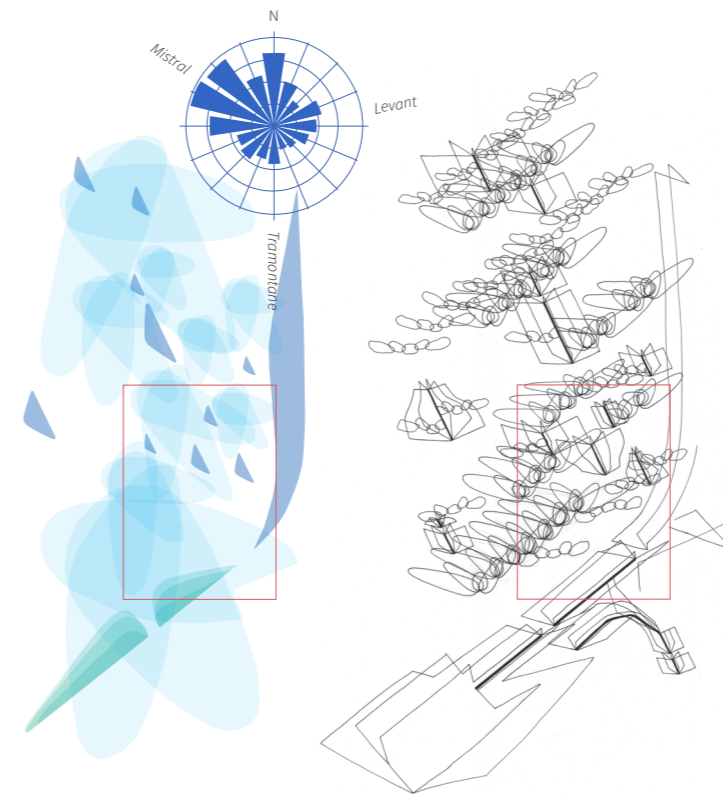
Site design at 1:500  
Winter 2040 forecast  
Notre Dame, La Ciotat  
Emily Cropton

# intervention



proposed planting arrangement

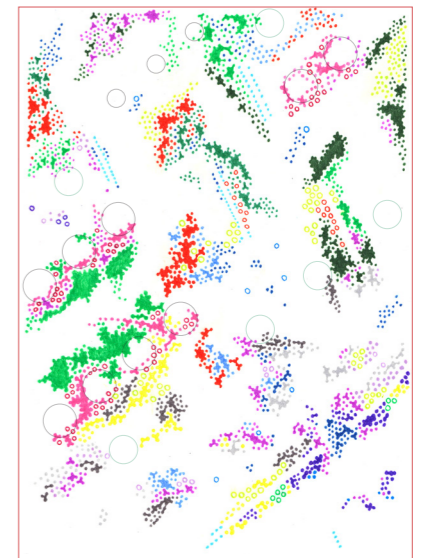
# reaction



wind shelter over the course of a year

shade over the course of a day

# evolution



5-10 year plant arrangement forecast

