

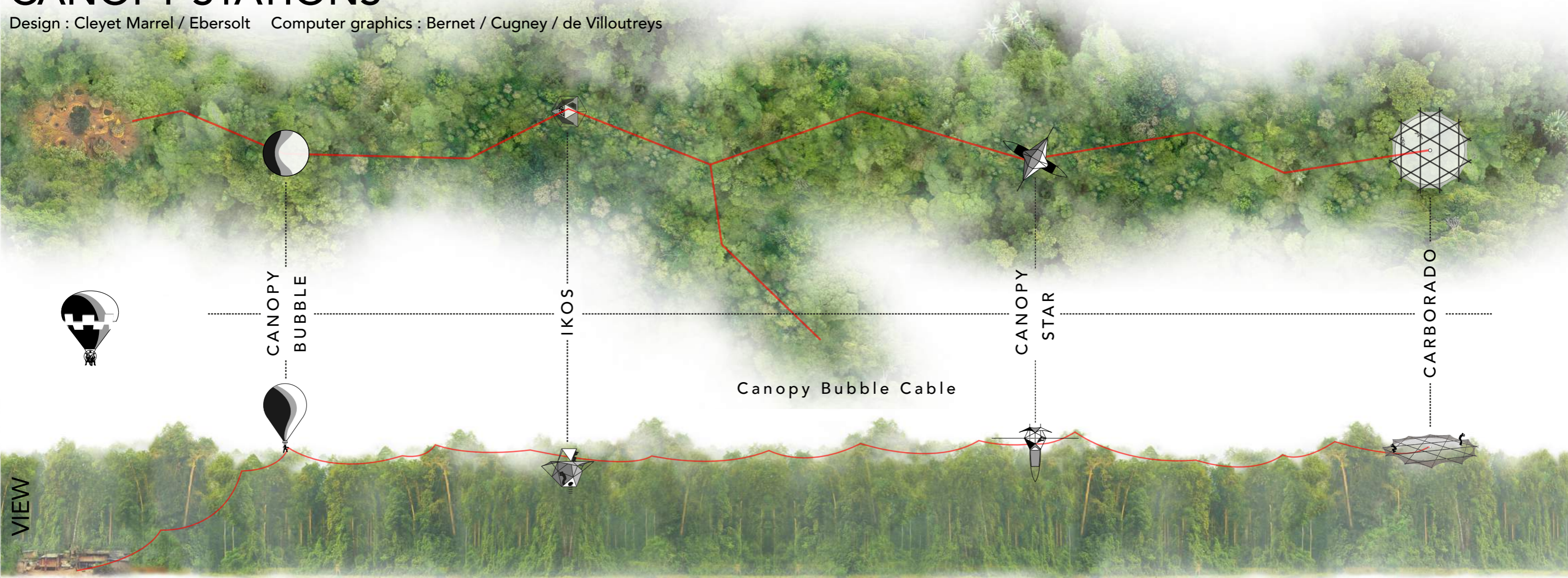
CANOPY STATIONS

Design : Cleyet Marrel / Ebersolt Computer graphics : Bernet / Cugney / de Villoutreys

Setting up a network of devices for « Opération Canopée »

BLUEPRINT

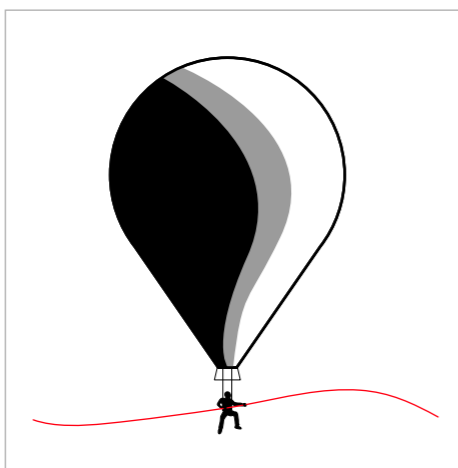
CROSS-SECTIONAL VIEW



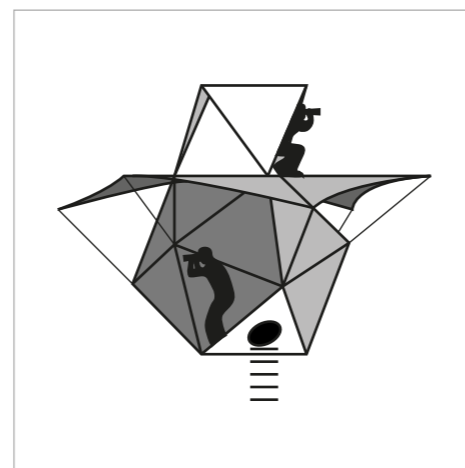
"Canopy Stations" offers a whole new territory for scientific investigations in tropical canopies.

Several semi-fixed research stations accessible 24/7 from the ground are set, 2 to 4 km apart, along the Canopy Bubble trajectory. Manlifts and light ladders provide access to the high canopy.

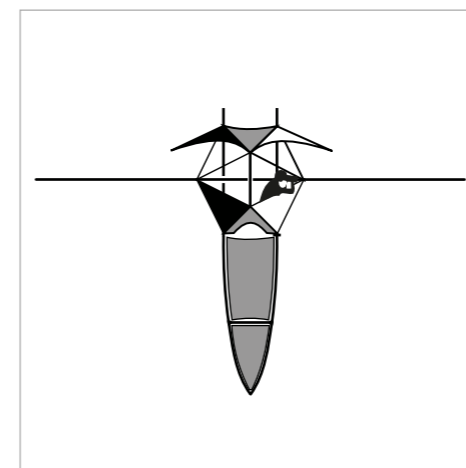
The semi-fixed research stations offer additional sampling and investigation areas to the pre-defined aerial trajectory of the Canopy Bubble



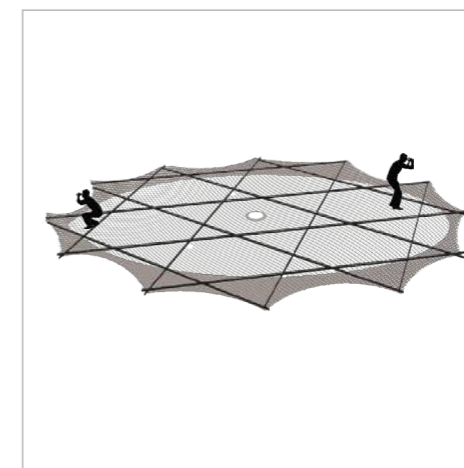
Canopy Bubble (1): is a single-seat hot air balloon for mobile in-depth sampling and observing of the canopy. It connects all the other devices together.



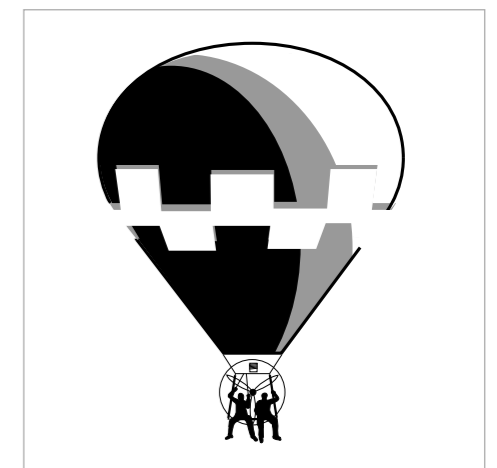
Ikos (2): is a semi-fixed living space used as an observation and sampling platform set up in the lower canopy.



Canopy Star (3): is a semi-fixed living space used as an observation and sampling platform imbedded in the canopy.



Carborado (4): (work in progress) is a semi-fixed observation and sampling system placed upon the very top of the canopy.



Cinébulle (5): is a two-seat hot air balloon for on-the-go sample collection and any type of manual operation. Electrically powered propulsion system.

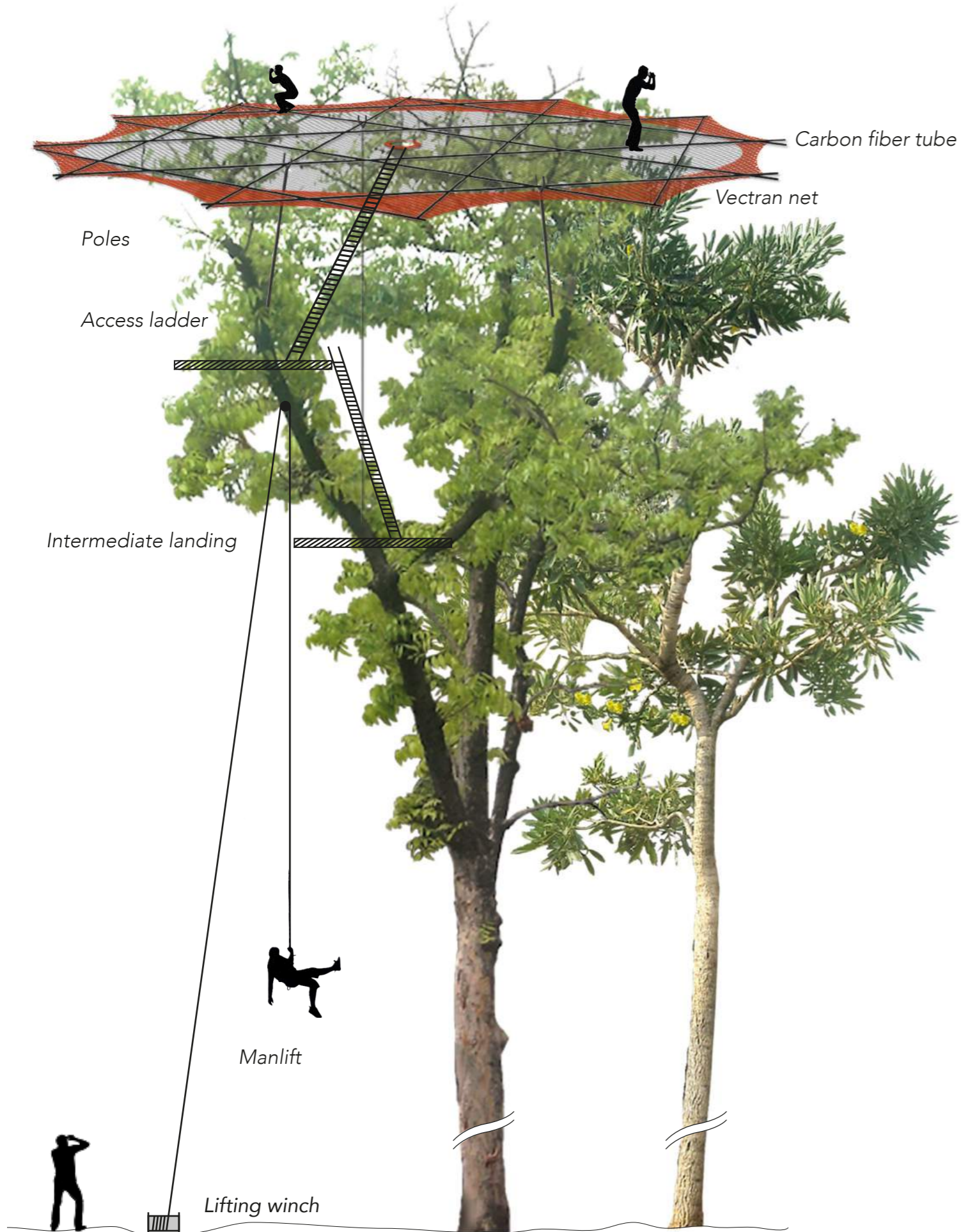
OPÉRATION CANOPÉE

Address : La Combe, 34380 Rouet

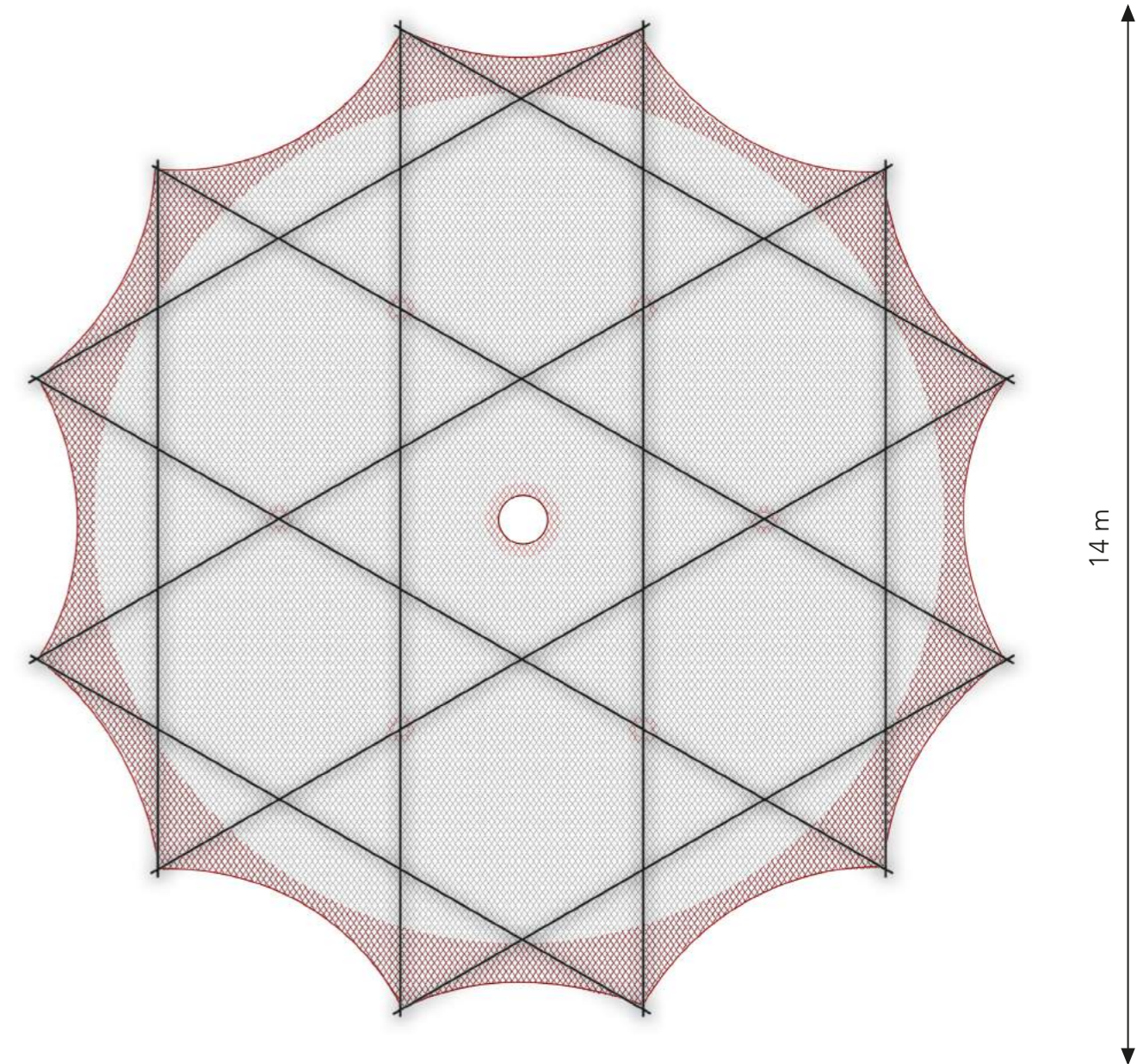
Website : <http://www.radeau-des-cimes.org>

CARBORADO

Design : Ebersolt Computer graphics : Cugney / de Villoutreys



(Or 5th-Generation treetop raft)



The "Carborado" is fixed upon the very top of the canopy and follows the design of the previous Treetop Raft.

The platform is made of a carbon tube lattice and a Vectran net. Poles secure the general locking of the system once the Canopy Bubble has landed on the treetops.

The 150-square-metre area can then be used to set up traps or sensors.

Hand-holes allow peripheral sample collection.

OPERATION CANOPÉE

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