



‘Unlocking’

A three-dimensional
bamboo sketch

Carla Feijen & Chiel Duran at the
World Bamboo Congress
Merkplas 2012



3-D sketches

Penta-Pyramide
with golden mean dimensions



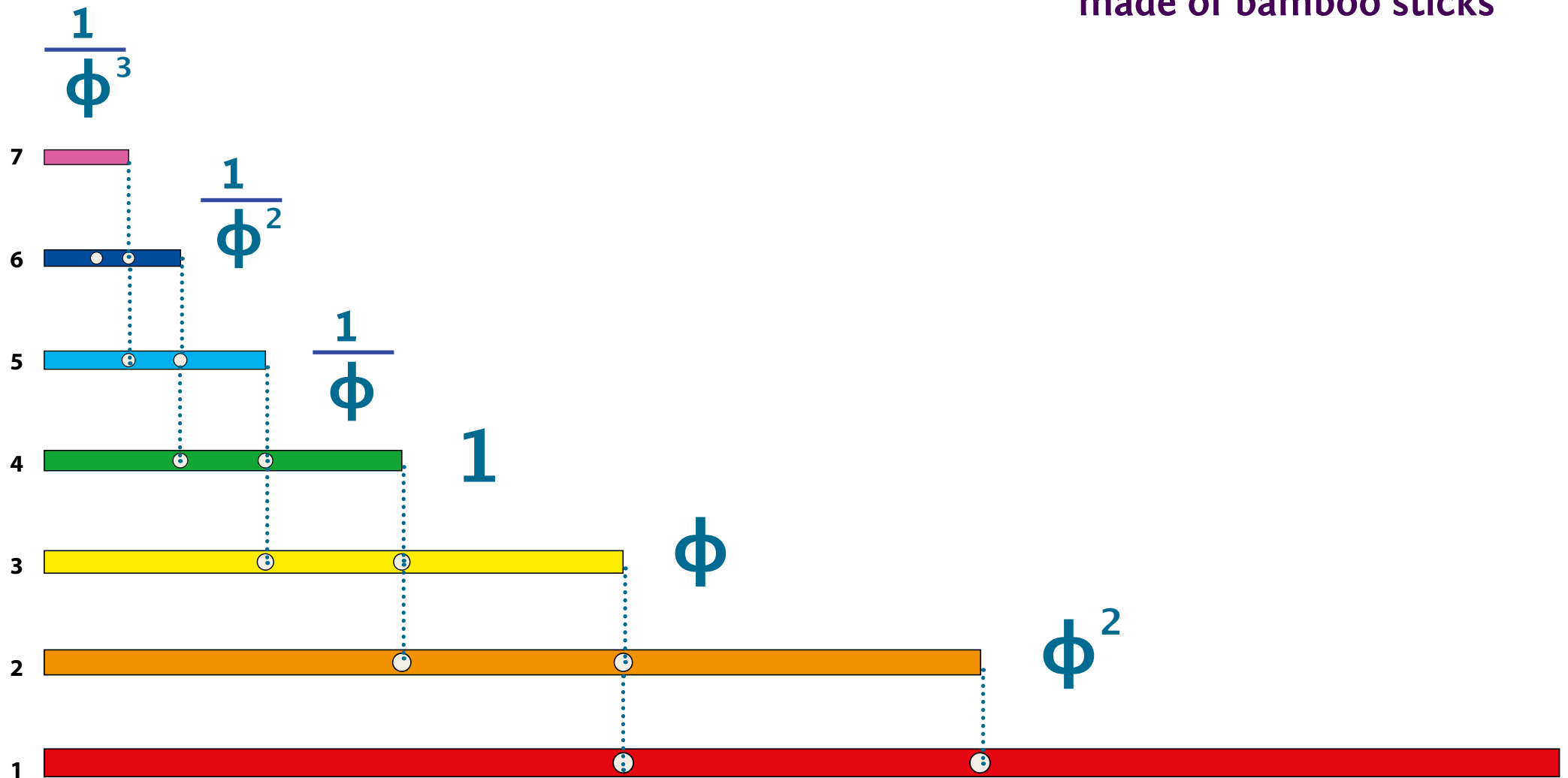
Made of sisalrope, 1997
5 x 5 x 5 meter

3-D sketches with bamboo

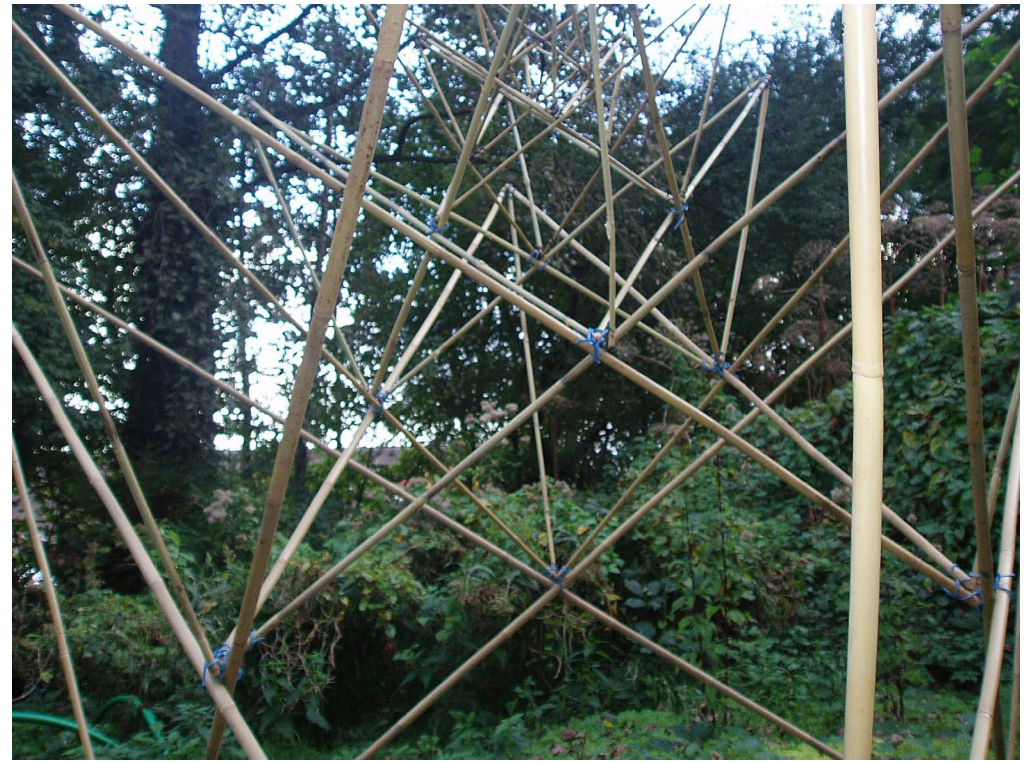
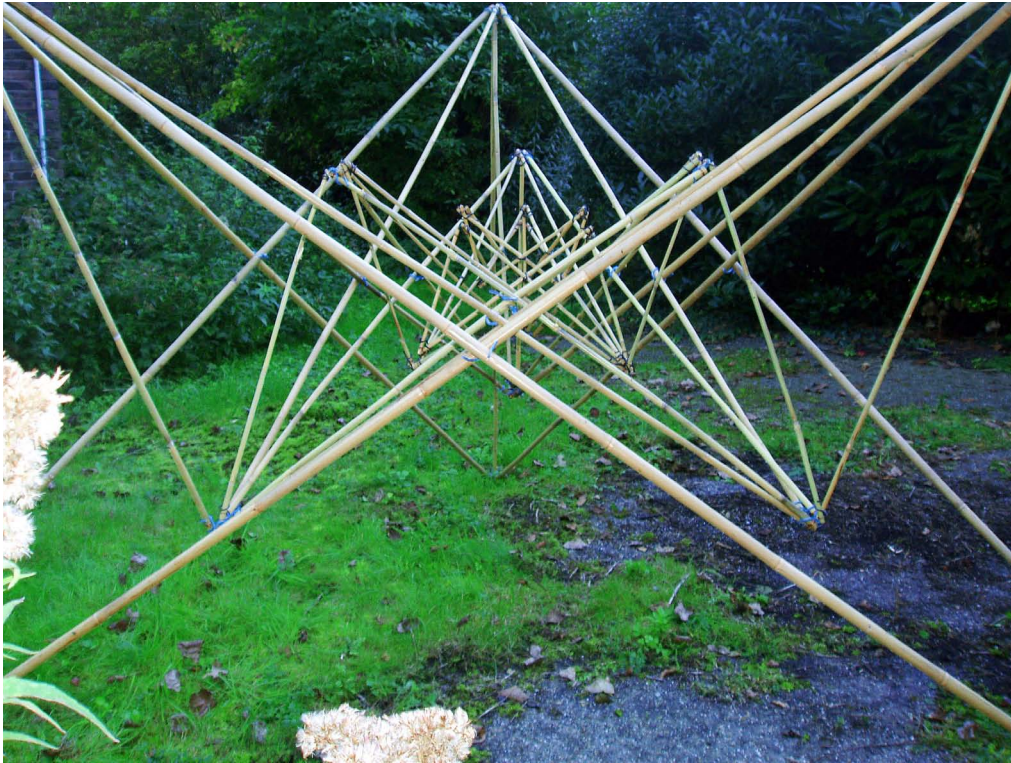


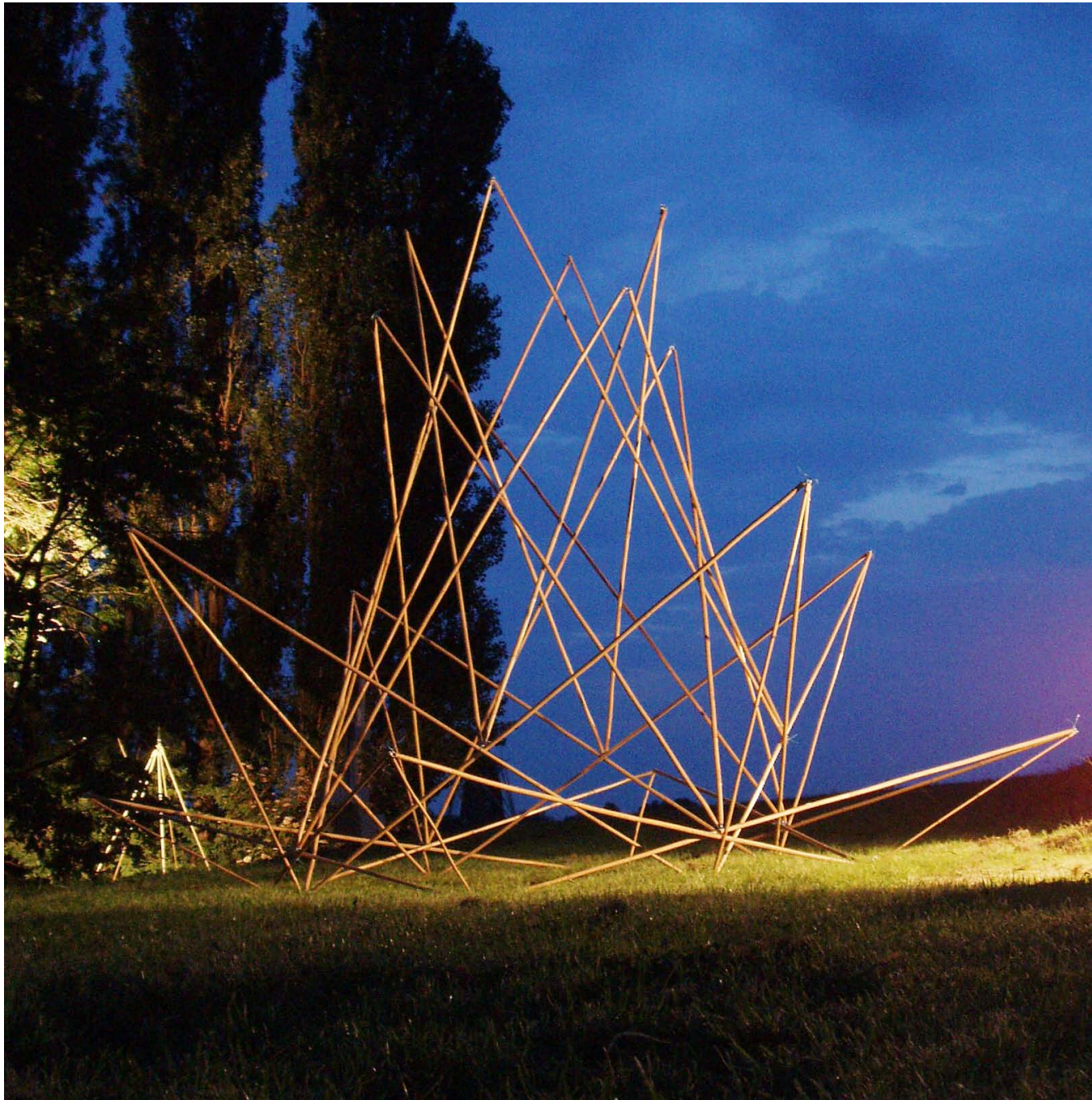
Golden-mean-kit

made of bamboo sticks



3-D sketches with bamboo golden-mean-kit



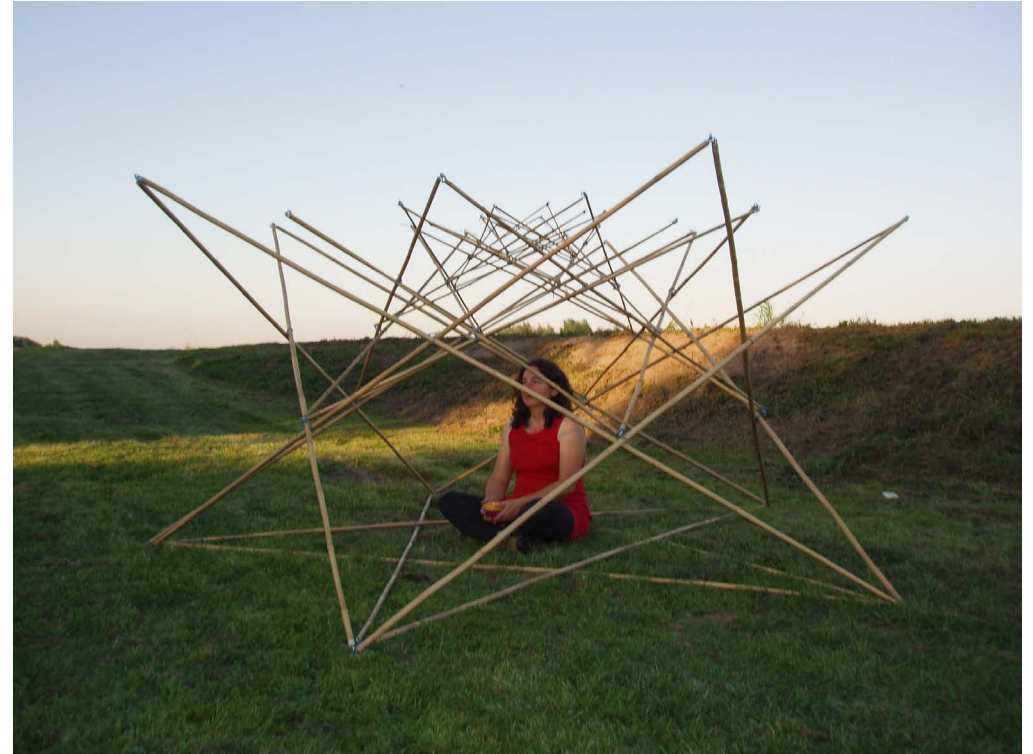
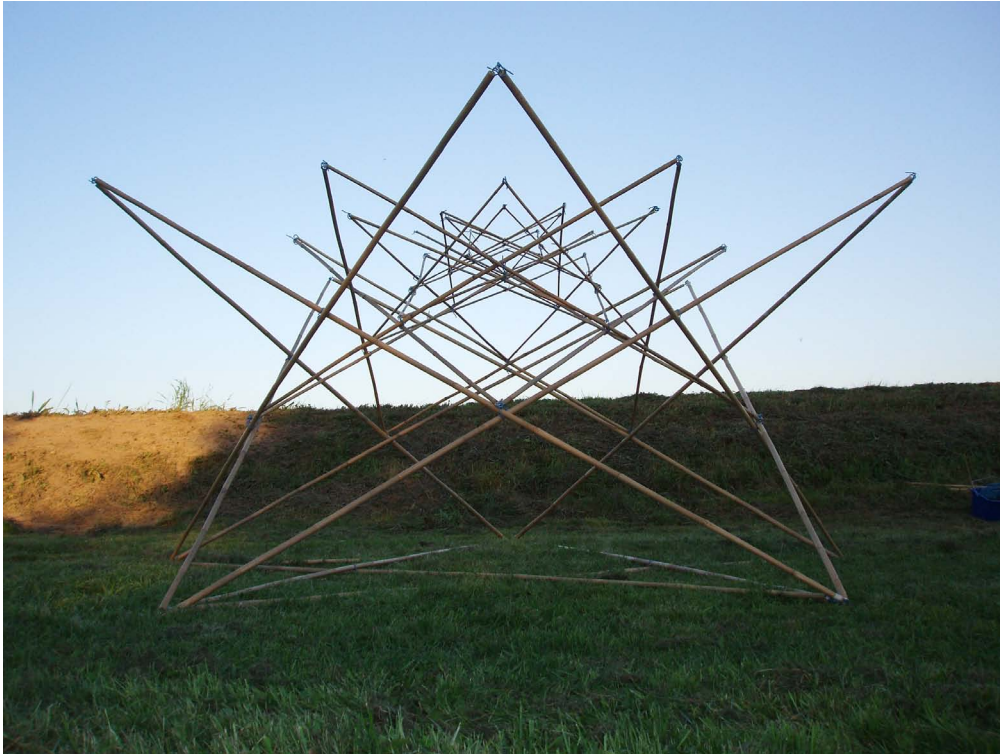


3-D sketches with bamboo golden-mean-kit

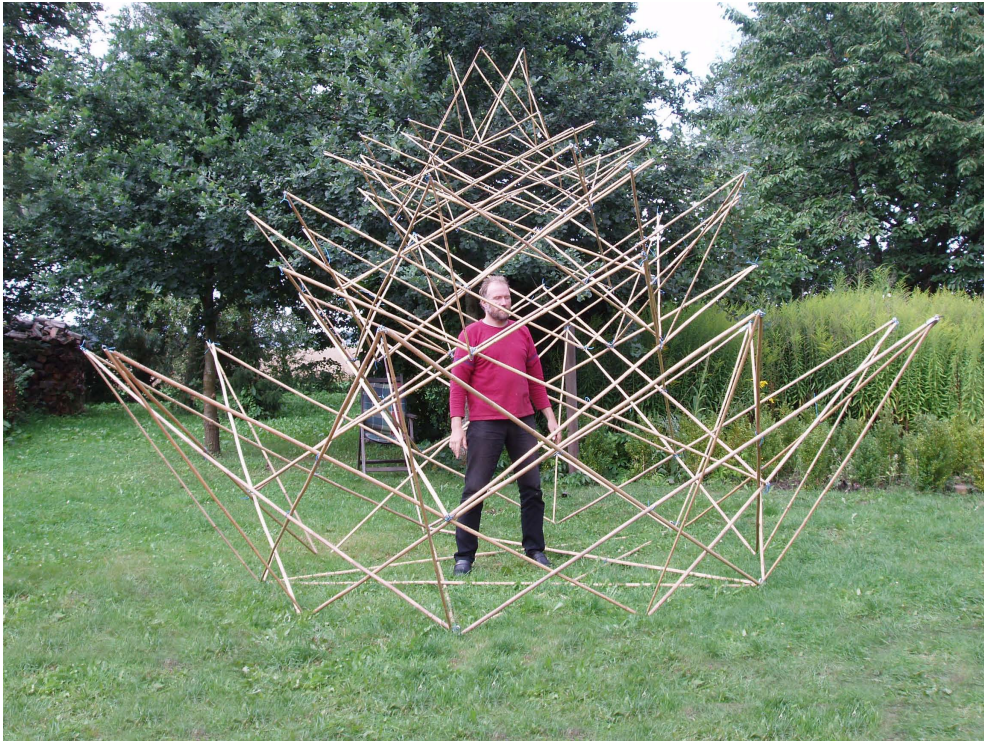


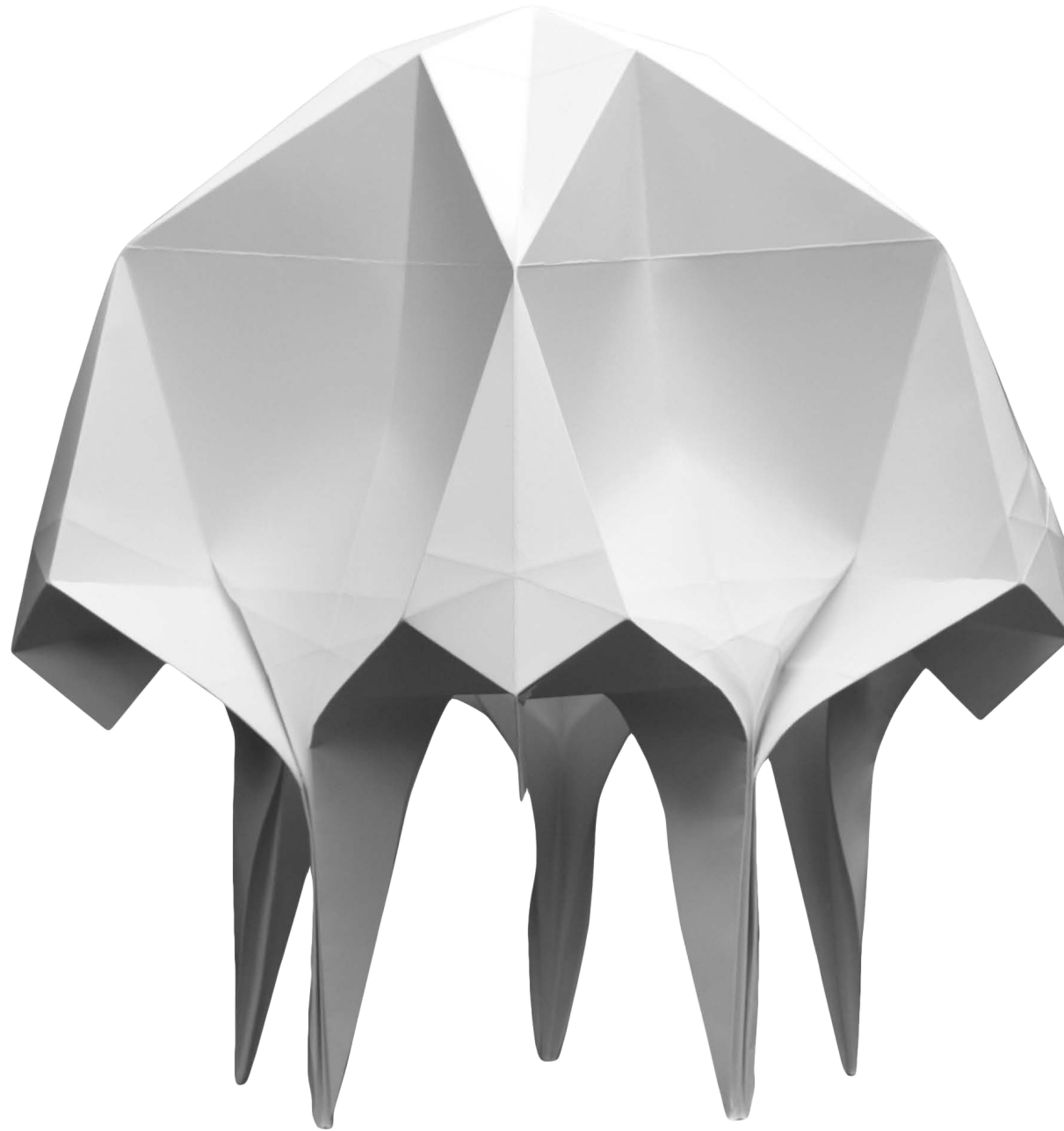
3-D sketches

with bamboo
golden-mean-kit



3-D sketches with bamboo golden-mean-kit





Folded space

from a 2-d pattern to a
3-d space

folded out of a pentagonal
sheet of paper ($\pm 1m^2$)



Folded space

from a 2-d pattern to a
3-d space

folded out of a pentagonal
sheet of paper ($\pm 1\text{m}^2$)



Folded paper

from a 2-d pattern to a
3-d natural form



3-D sketches with bamboo

the geometry of the first stage
of botanical growth





‘Unlocking’

the geometry of the first stage
of botanical growth





Bending bamboo

Using the tensile strength of bamboo



Bending bamboo

Using the tensile strength of bamboo





Thanks to:

Johan Gielis

for inviting us and helping with the harvest

Jan Oprins

for the bamboo

Royal Dutch Marines Corps

for the "Corkscrews"

Carel

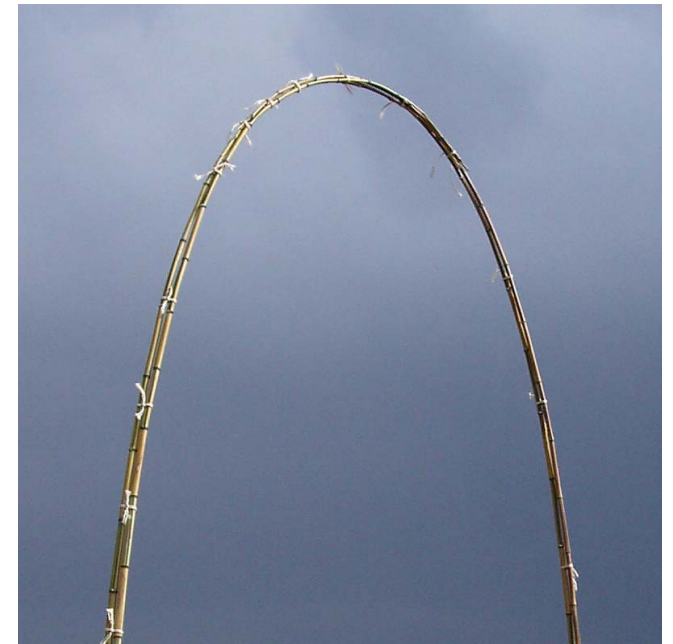
for his daily interest and the news about the newborn lambs





Bending bamboo

Using the tensile strength of bamboo



Thank you for listening
and enjoy the work of art

www.carlafeijen.nl