GENERATIVE SYSTEMS WORKSHOP

GROUP 3
PRESENTATION _ 1
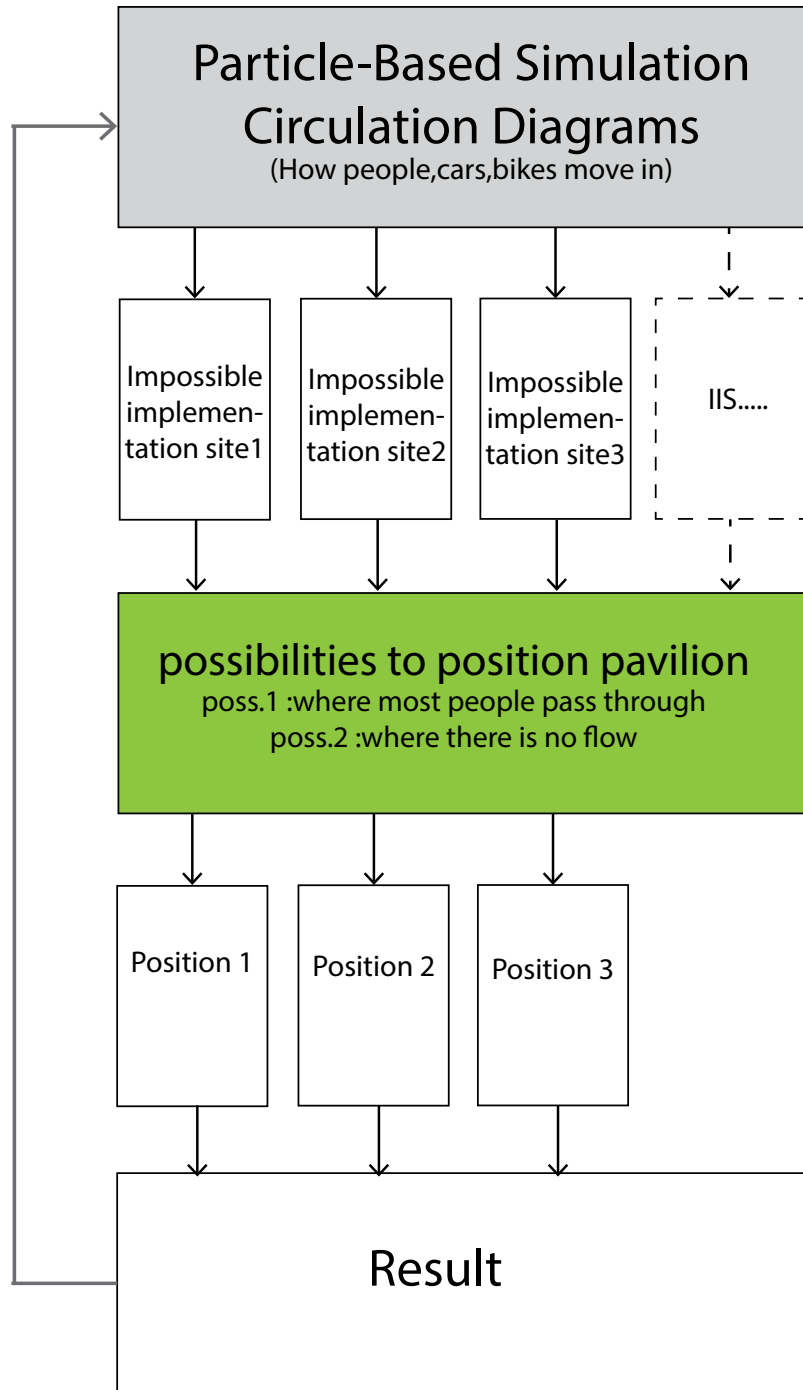## 11.09.2013

ecoLocator

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ecoLocator is a *performance-driven* design proposal that considers two main material systems as drivers for a future integrated design: people-flow on site{as a way of establishing the potential use-ability of the newly-added object} and airflow {globally and on select parts of the site}. *expressions* of these systems are only relevant for the design if they prove *quantifyable.*

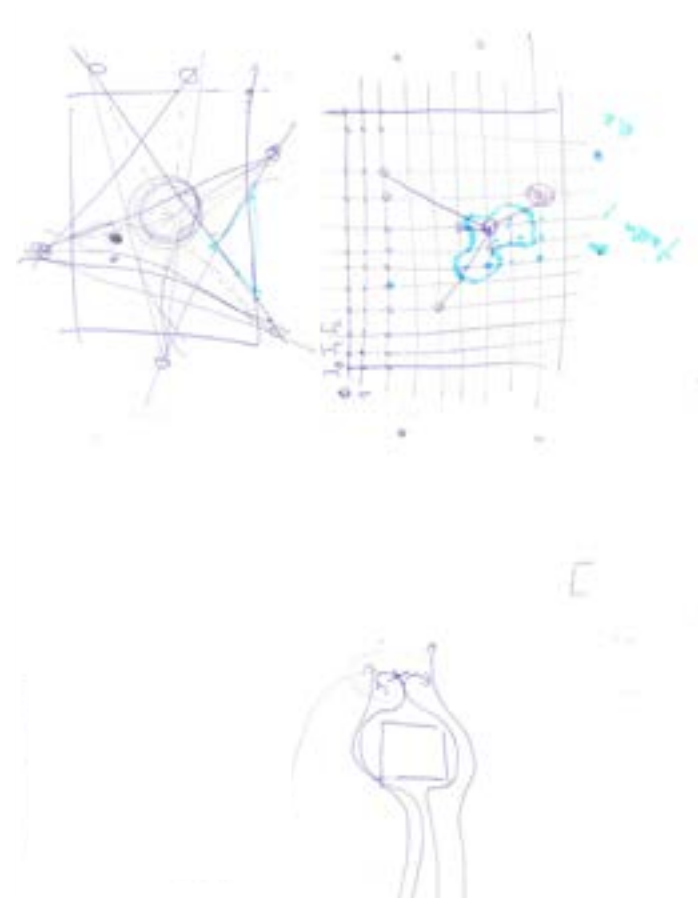specifically, *people-flow* and *windflow* can easily be as-similated through compatible types of simulations, al-lowing for the use of the same(similar) computational techniques.

ecoLocator should, ultimately, feature distinguishable *geometric air-flow optimisation* features, embodied by the final form of the café.
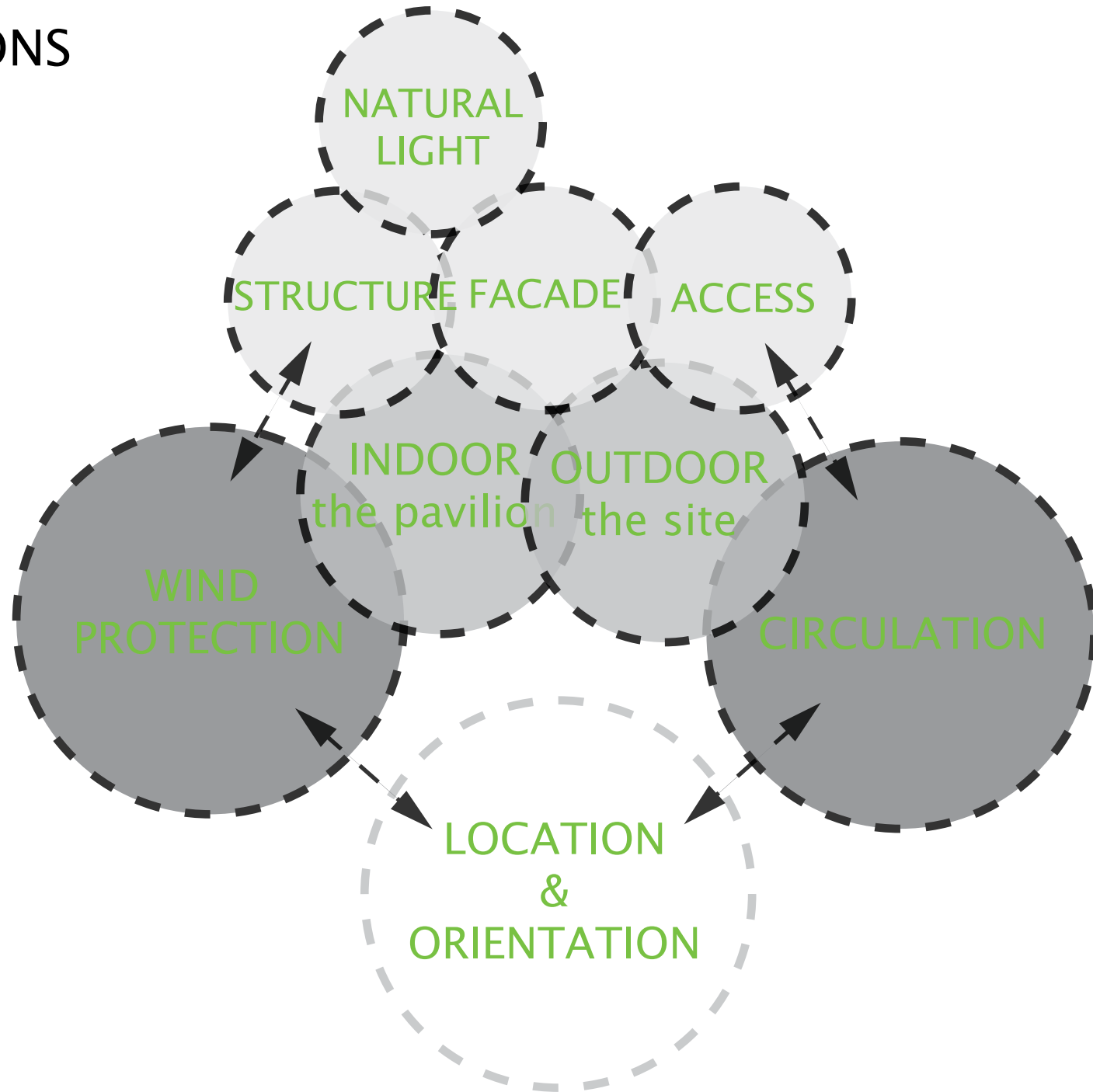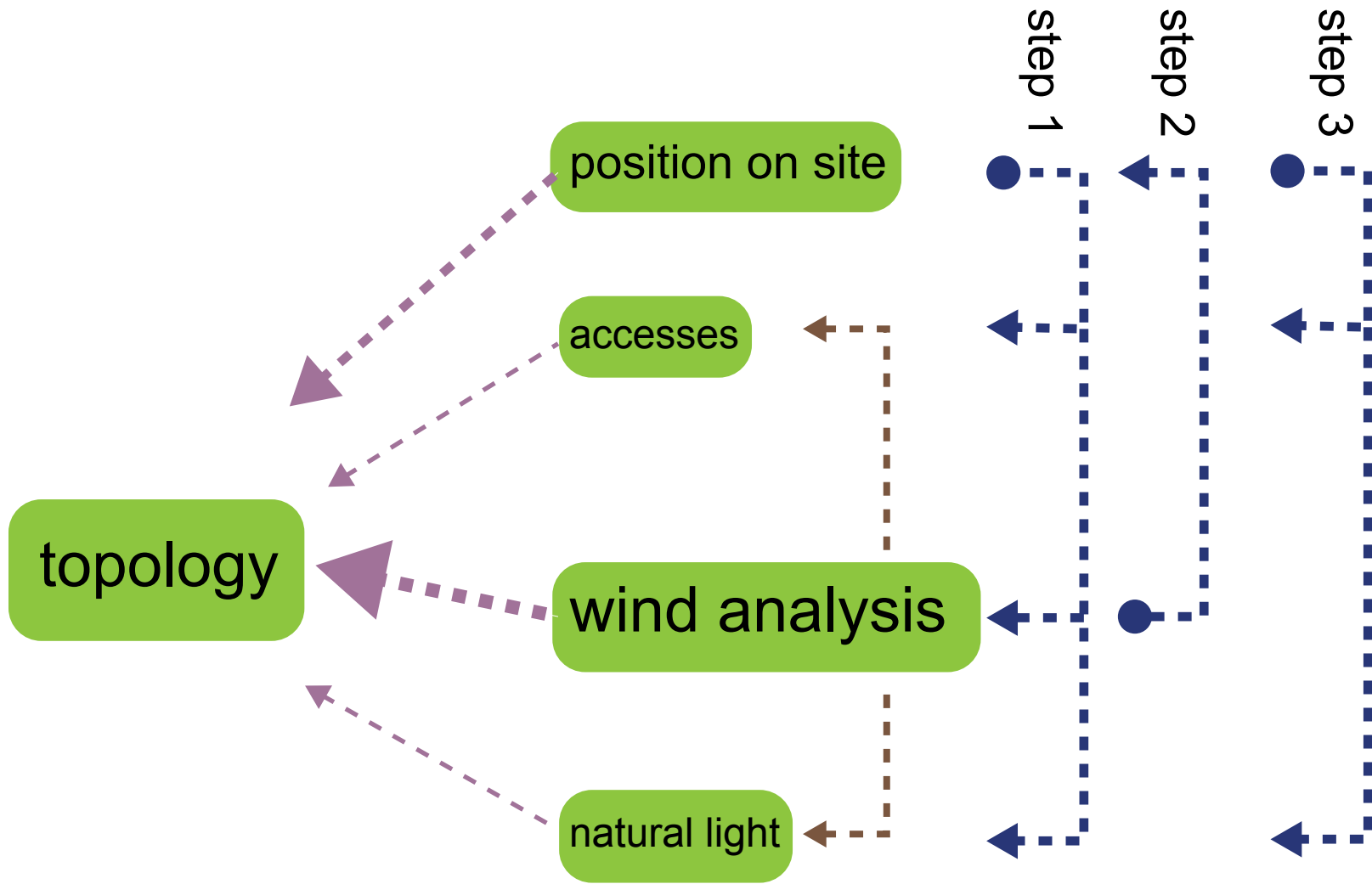
SITE STRATEGIES

Particle-Based Simulation Circulation Diagrams
(How people,cars,bikes move in)

Climatic Analysis
(Every climatic factor can be seen as both repelling and welcoming)

Impossible implemen-tation site1

Impossible implemen-tation site2

Impossible implemen-tation site3

IIS.....

possibilities to position pavilion
poss.1 :where most people pass through
poss.2 :where there is no flow

Position 1

Position 2

Position 3

Result

SYSTEMS
& CORRELATIONS

TYPOLOGY

position on site

accesses

topology

wind analysis

natural light

step 1

step 2

step 3

POSSIBLE TECHNIQUES

Phase 1
Circulation analyzes – Galapagos
Wind flow analyzes – Ecotect + Geco

Phase 2
Structure – branching system
Structure connectors – L system
Skin – recursive script for panelization