

5G TECHNOLOGY FOR SMART CITIES EMPOWER CITIZENS!

Leti Innovation Day 5G Workshop | Caillol Philippe

Ecosystem

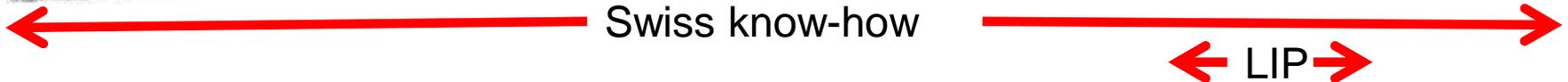
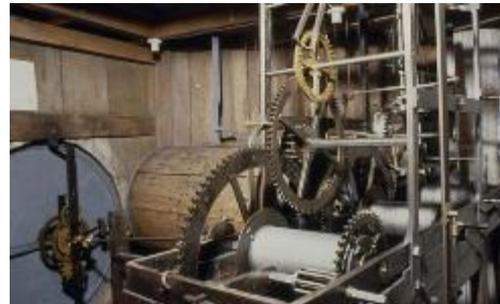
Innovate is adaption to a changing environment.

Change can be societal, political, legal, tax, competition, etc.

→ First of all, well understand what's changing ?

Technic

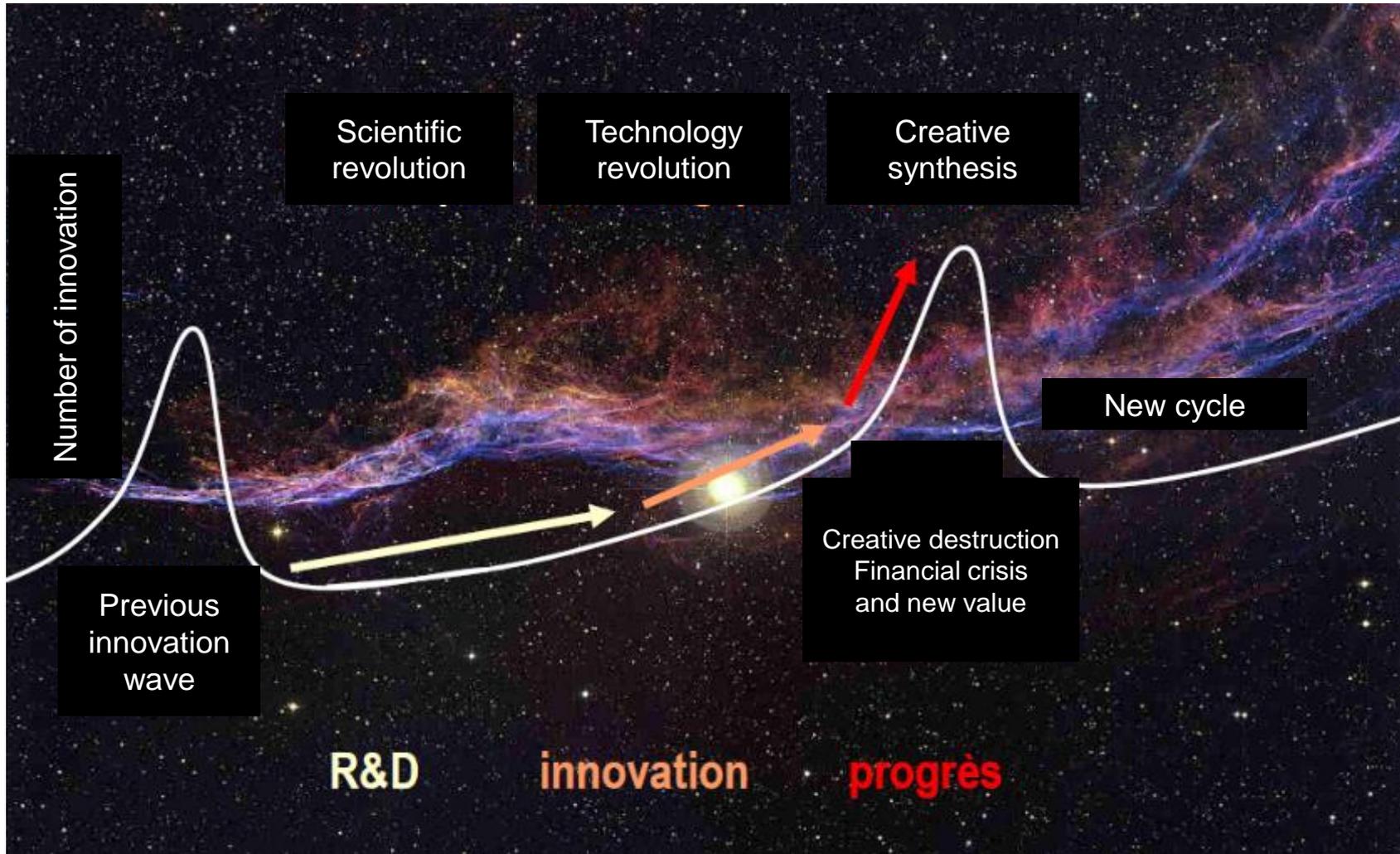
Mesuring time throw ages



→ Taking into account new ways of doing things

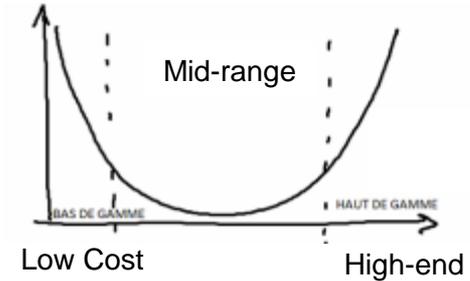
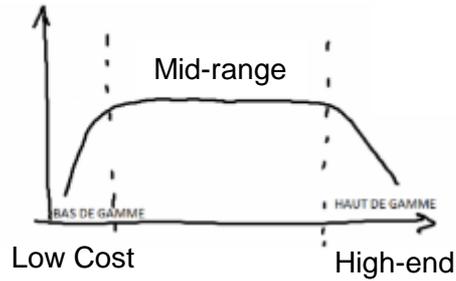
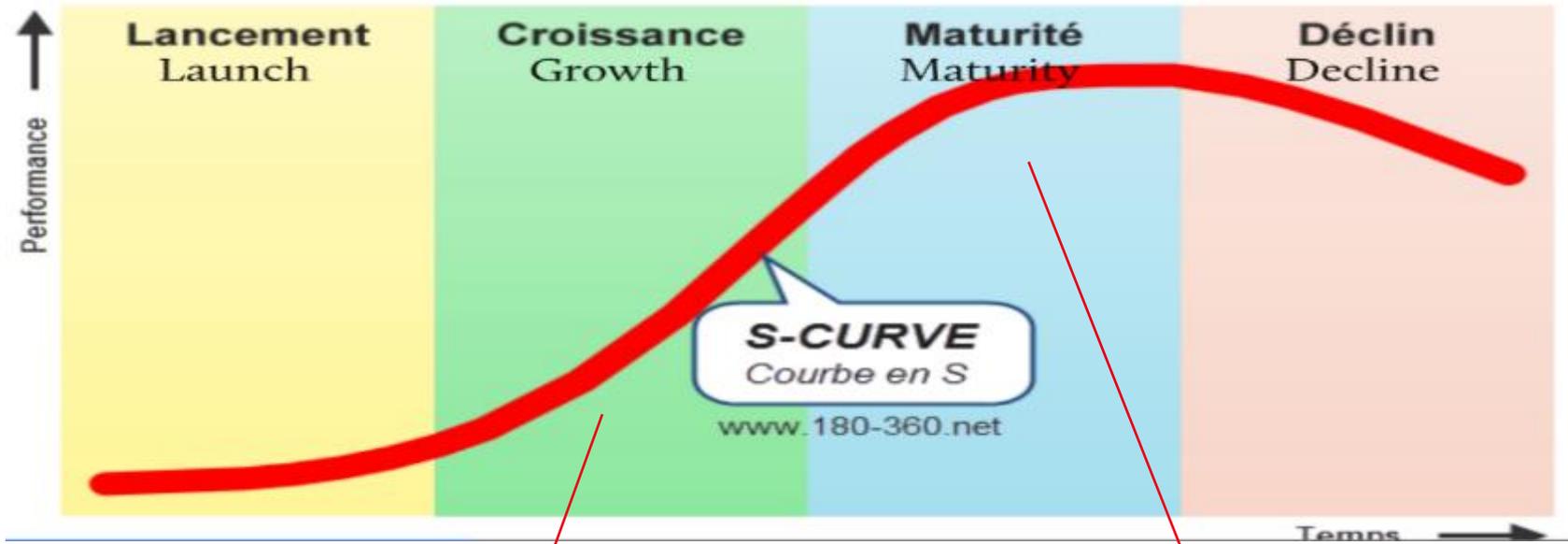
IN-Novation = make ours whats's new

THE CYCLE OF INNOVATION



Source : Marc Giget IESCI

EVOLUTION LAW



TERRITORY EVOLUTION

Speech

Handwriting

Mecanical writing

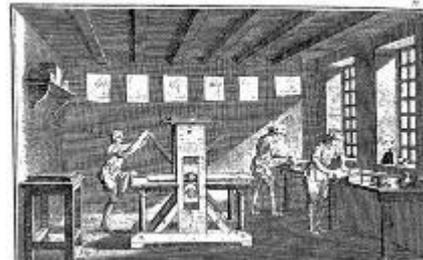
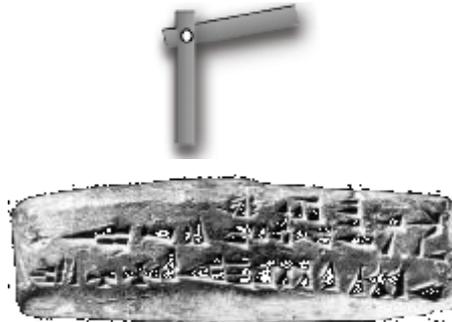
Electrical

Resilient

Static

One degree
of freedom

Multi degree
of freedom



NEEDS

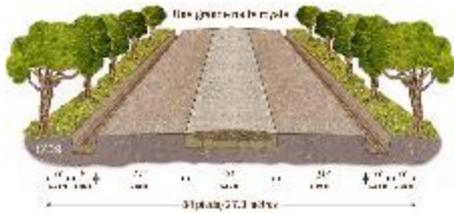
FUNCTIONS

ORGANISATIONS

COORDINATIONS

THE DECISION EVOLVED TOWARD REAL TIME AND DECENTRALIZATION

One degree
 of freedom



People are the decision

Multi degree
 of freedom



General rule is the decision



Resilient



Decision, no long depend from former rule, but of real time conditions



Each equipment
 has to
 communicate

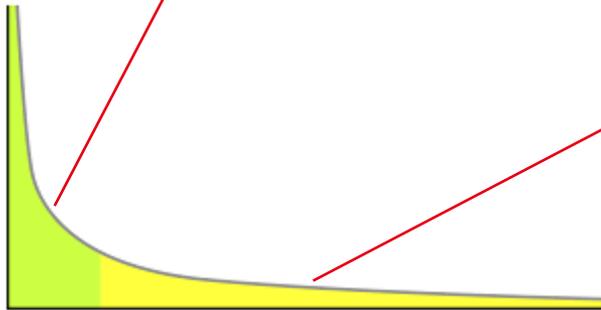
THE COORDINATION MODEL

A WORLD OF PLATFORM

Organisation world



Coordination world



The long tail

The Hardware platform



EXAMPLE OF AUTONOMOUS CAR

- **What will be the use of autonomous car?**

No code developed : use of VTC or Uber booked during 3 days

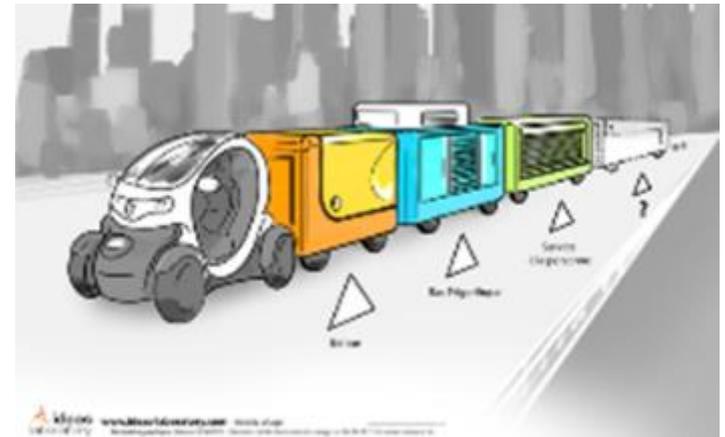
Test with local families

- **Feedback : 30% of drive with nobody inside**

- for supply chain (shopping delivery, etc.),
- To catch someone anywhere,

- **Conclusion :**

- Tomorrow urban mobility will operate by company
- Few car owners,
- Platform depending of use
- A very large disruption in future City planning



INNOVATION MODEL ÉVOLUTION

Technology innovation
is no long for
more efficient or less expensive objects

Technology innovation is to serve

New User eXperience

Smart mobility in cities
Commitment to ecology
VS

Cars OR public transport

Modified Business Model

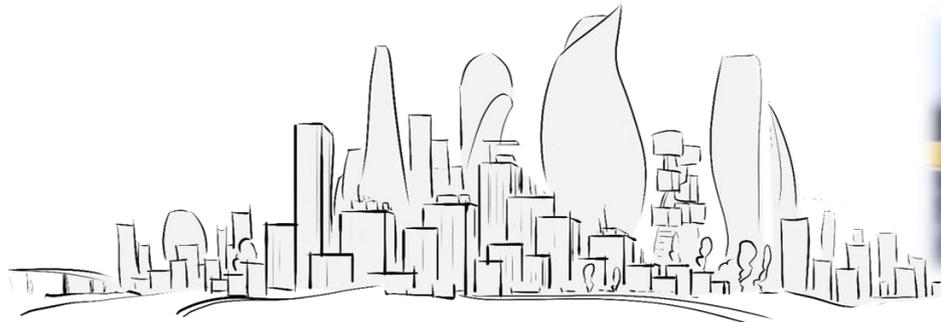
Flat Fee
Pay per use
Pay how you drive
VS

Car ownership

Transformed Value Chain

Digital public/private
ecosystem
Circular economy
VS

Transport delegation



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Only dead fishes swim down the stream

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