

The Future of Global Beekeeping Facing New Challenges



Apimondia Round Table
Montreal – Canada – 11th September 2019
Initiator/Moderator: Gilles RATIA (*Apiservices*)



Universal problems

- ▶ 1. Abnormal bee colony mortality

A close-up photograph showing a large number of dead bees scattered across a light-colored, sandy or dusty surface. The bees are in various positions, some lying on their backs, others on their sides, and some with their wings spread. The overall scene suggests a mass mortality event.

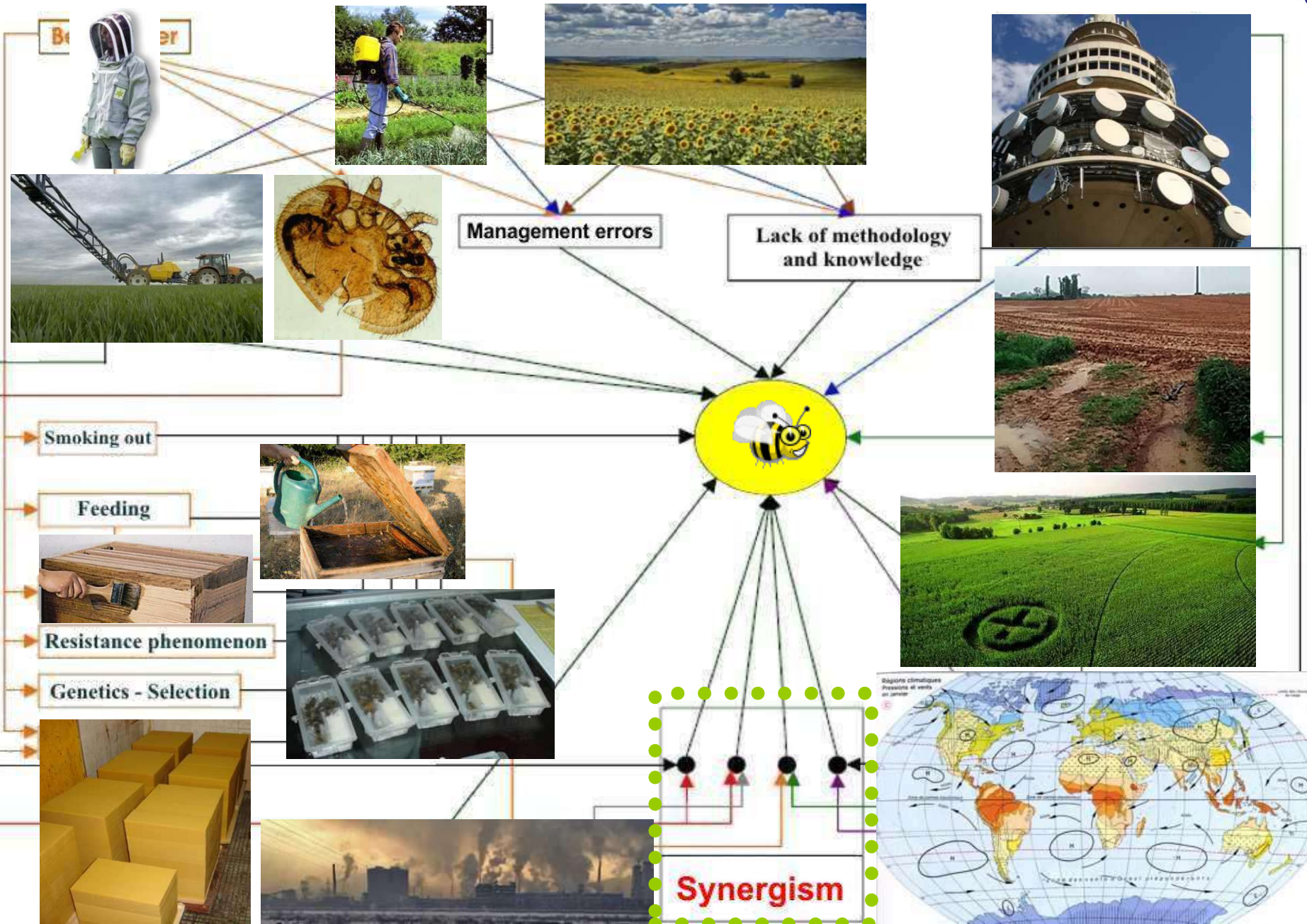
WHY?

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Apimondia
International Federation of Beekeepers' Associations

Canada - Round Table
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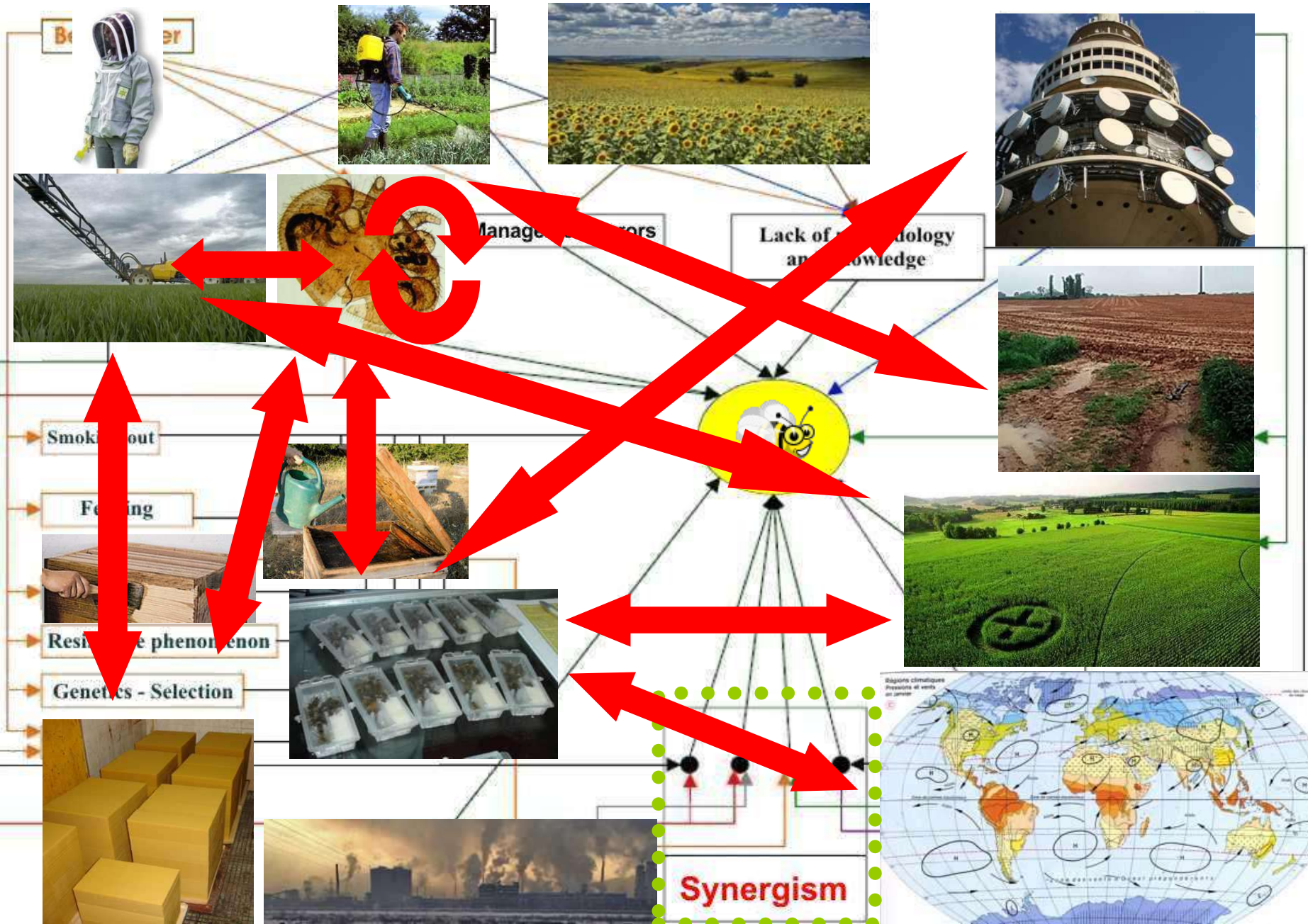


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Universal problems

- ▶ **1. Abnormal bee colony mortality**
- ▶ **2. Honey (*and other bee products*) adulteration**





Universal problems

- ▶ **1. Abnormal bee colony mortality**
- ▶ **2. Honey adulteration**
- ▶ **3. Stricter and stricter regulations**





Universal problems

▶ 4. Increase of production costs





Universal problems

- 
- A photograph of an elderly man with a long white beard and a white cap, wearing a green jacket and camouflage pants. He is standing in a field with many trees, some of which appear to be dead or dormant. In the foreground, there is a white beehive on a wooden stand. The background shows a dense forest of trees, some with bare branches, suggesting a rural or natural setting.
- ▶ **1.** Abnormal bee colony mortality
 - ▶ **2.** Honey adulteration
 - ▶ **3.** Stricter and stricter regulations
 - ▶ **4.** Increase of production costs
 - ▶ **5.** **Less** and less young beekeepers



The survival of beekeeping farms is threatened.



Four possible scenarios



Scenario # 1

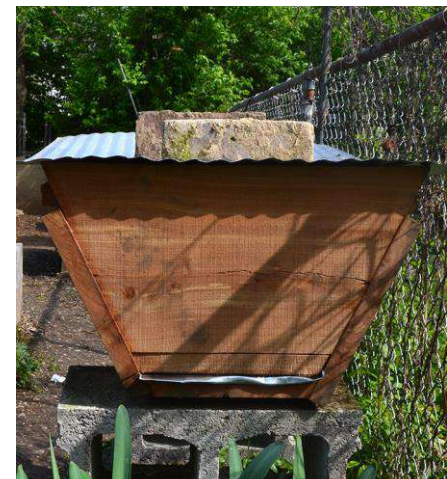
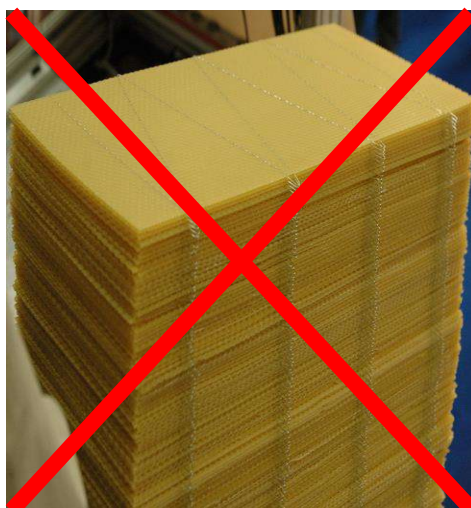
**Wait
and
see...**

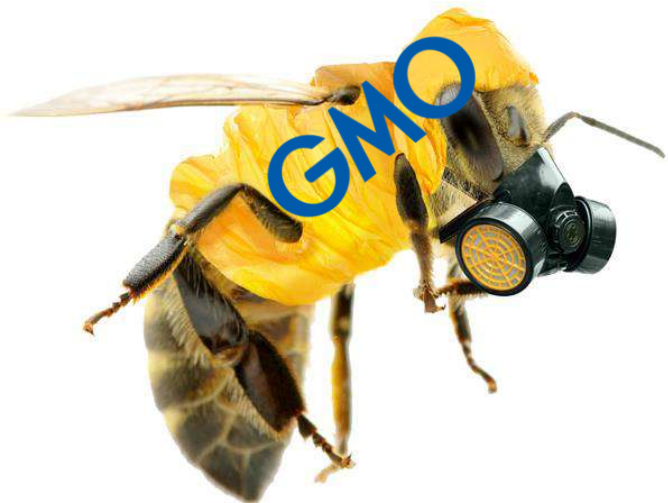




Scenario # 2

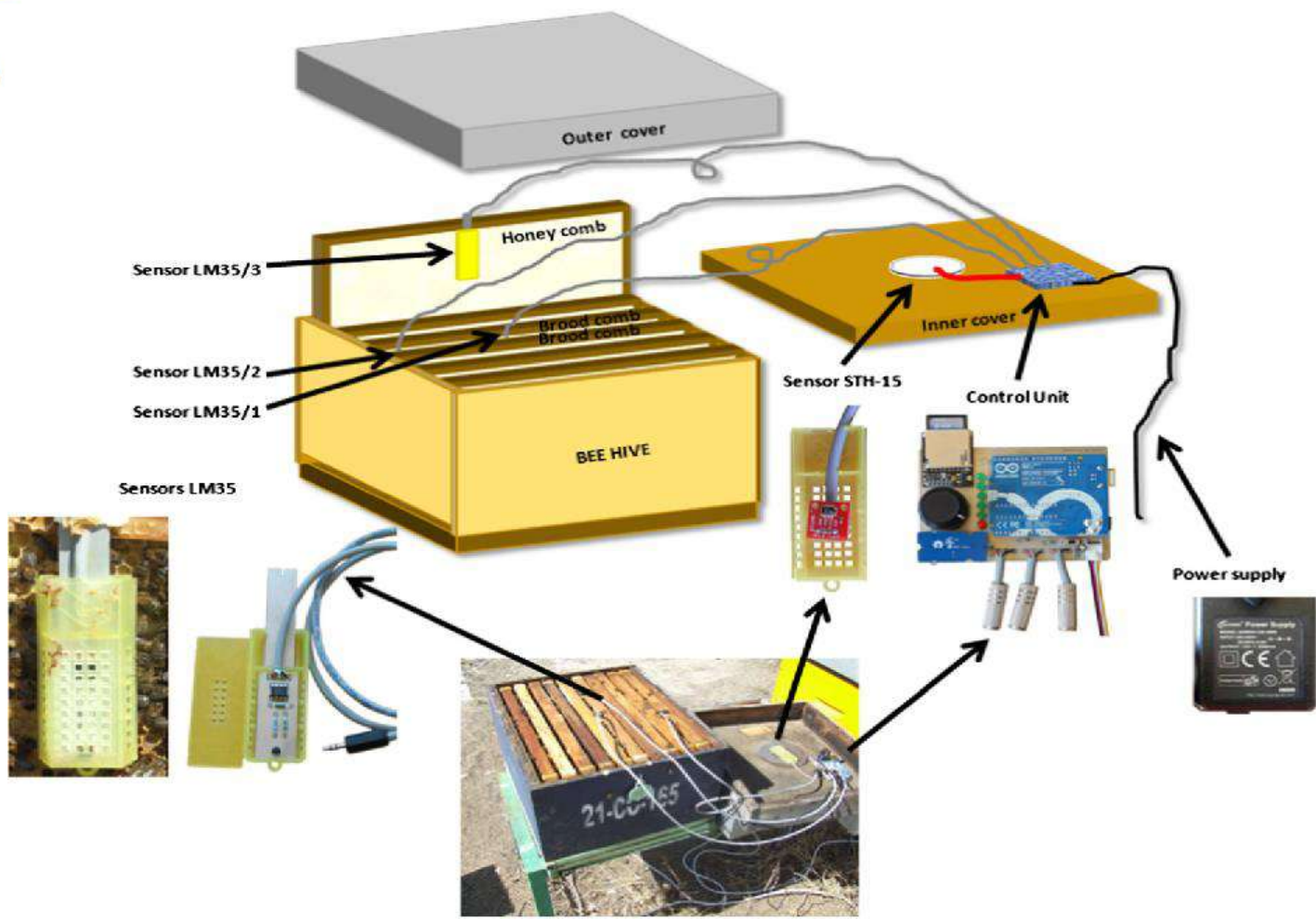
Turn to "Slow – or Natural - Beekeeping"





Scenario # 3

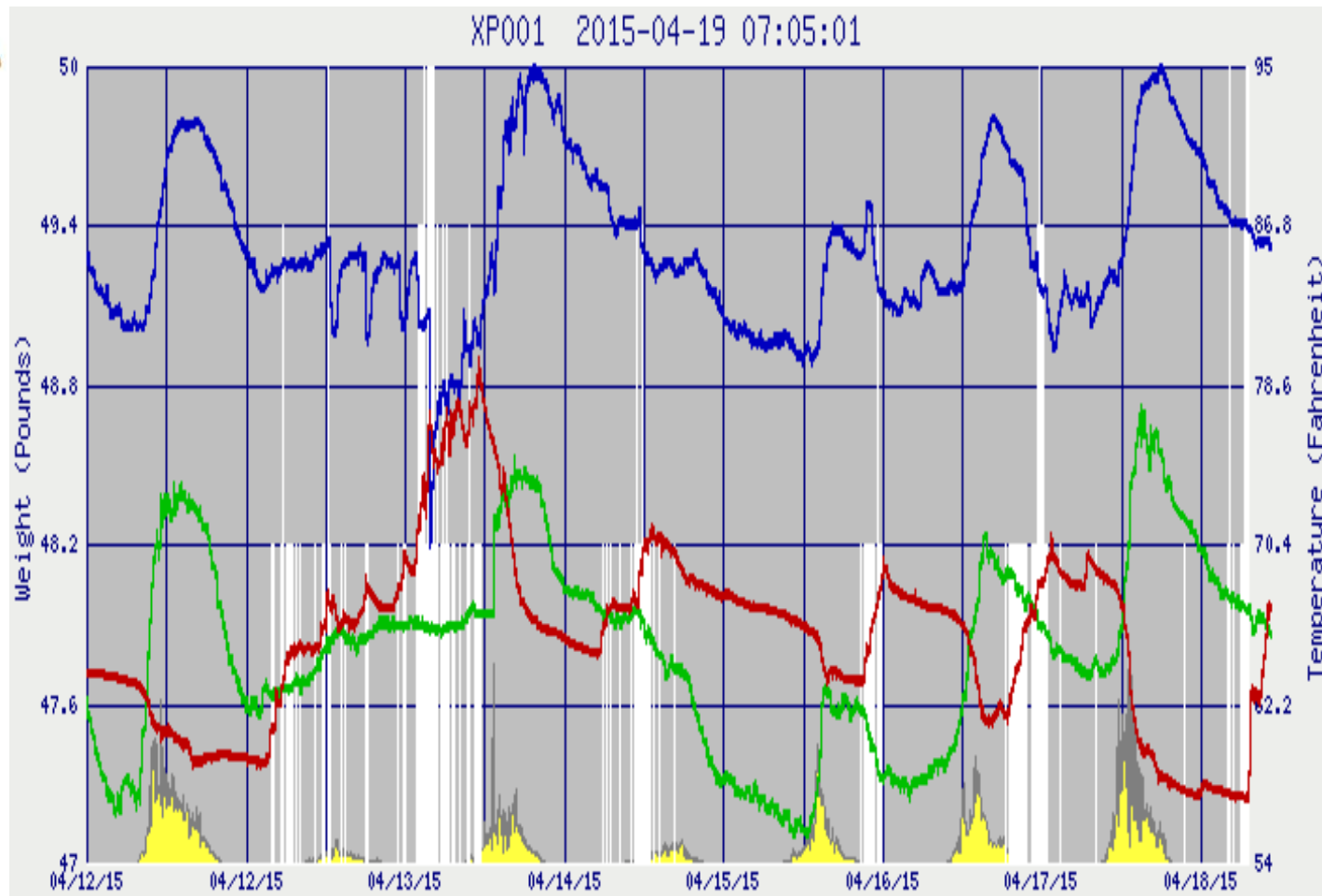
Jump to "Beekeeping 2.0"





Scenario # 3

Jump to "Beekeeping 2.0"





Scenario # 3

Jump to "Beekeeping 2.0"





Scenario # 3

Jump to "Beekeeping 2.0"

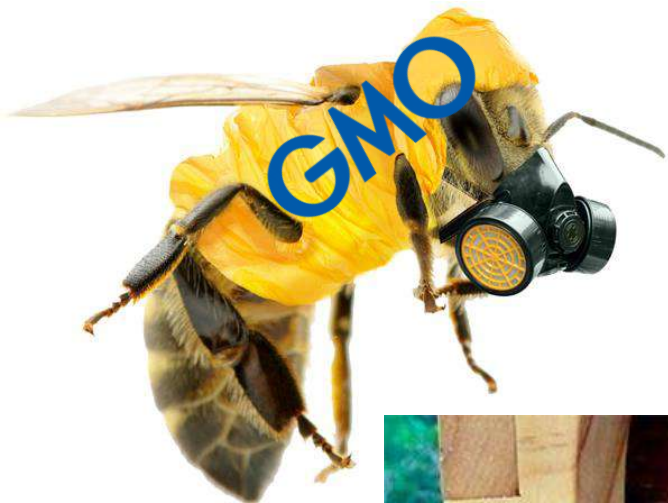




Scenario # 3

Jump to "Beekeeping 2.0"

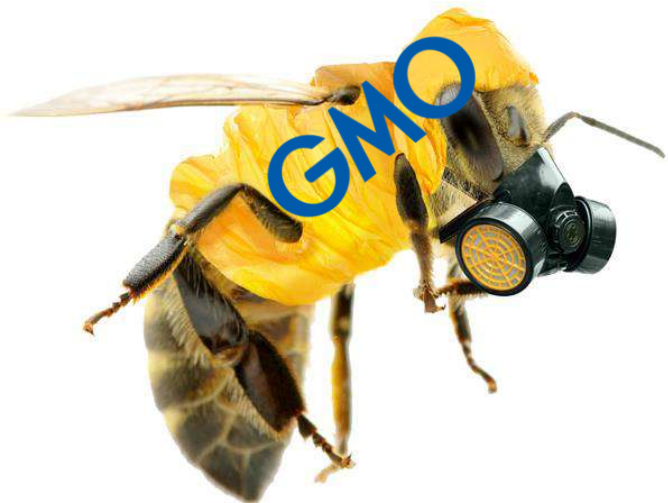




Scenario # 3

Jump to "Beekeeping 2.0"





Scenario # 3

Jump to "Beekeeping 2.0"





Scenario # 3

Jump to "Beekeeping 2.0"



**Creation
of new
products**



**Development of
autofertile plants**

**Scenario # 4
Forget beekeeping!**





**Use of autofertile
plants**

Scenario # 4
Forget beekeeping!





**Use of drones
For pollination**

**Scenario # 4
Forget beekeeping!**





**No problem, we are
already used to it**

**Scenario # 4
Forget beekeeping!**

A close-up photograph of a wooden spoon tilted to the left, with a thick stream of golden honey dripping from its edge. The background is a soft, out-of-focus brown.

**Artificial
honey**



An infinity of possible scenarios

Scenario # 1

Scenarios # 1.1, 1.2, 1.3, 1,4

Scenario # 2

Scenarios # 2.1, 2.2, 2.3, 2,4

Scenario # 3

Scenarios # 3.1, 3.2, 3.3, 3,4

Scenario # 4



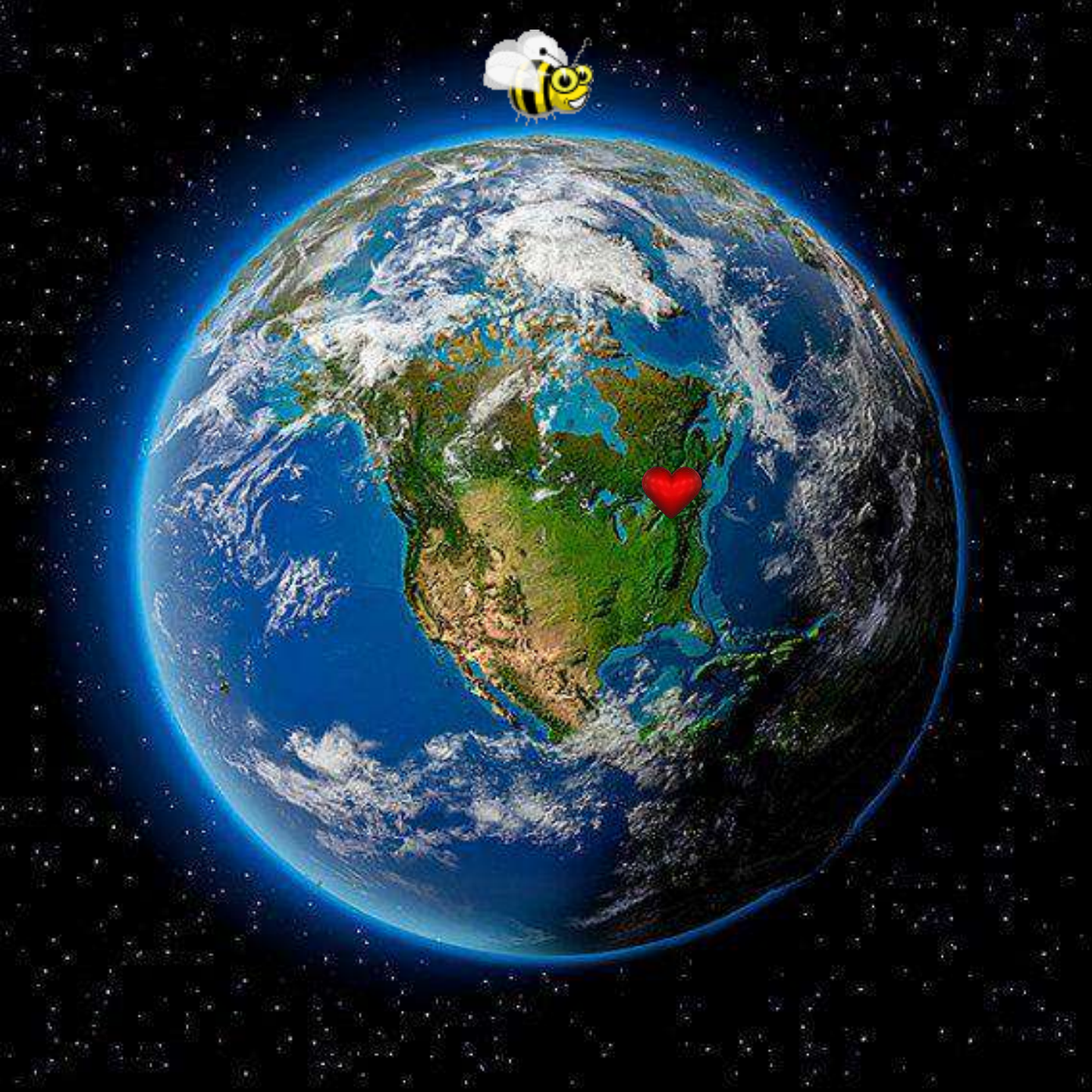
Distribution of leopard skin scenarios globally





Can our current capitalist model continue with the future fossil fuel shortage and demographic explosion?





**In short
what will be
the future for
beekeepers?**

**Thank you for
your attention**