

tells you all about  
**PROTEOMICS  
ANALYSIS**

**FROM THE FIELD**

Elysia Bioscience can extract proteins from any plant part.

Fields crops

Market gardening

Vineyards

Arboriculture

**WHAT IS A PROTEIN?**

A protein is a sequence of amino acids resembling a string of pearls.

*Did you know?*

There are ~ 34,000 proteins in a single tomato.

*What are the*  
**DIFFERENT PROTEINS**  
and their functions?



**PROTEINS ARE LIKE  
THE RESIDENTS OF A CITY  
THAT ADAPT TO STRESS**

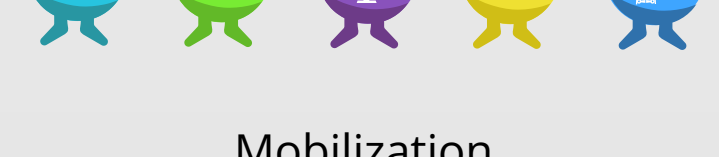
In normal conditions, the cell state is balanced and life in the city is peaceful and quiet.



Just like a functioning city, the cell is in a constantly changing environment and stress may disrupt its organization.

**Different kinds of stress**

- Abiotics:
  - Drought
  - Salt excess
- Biotics:
  - Insect pests
  - Fongus, bacteria ...



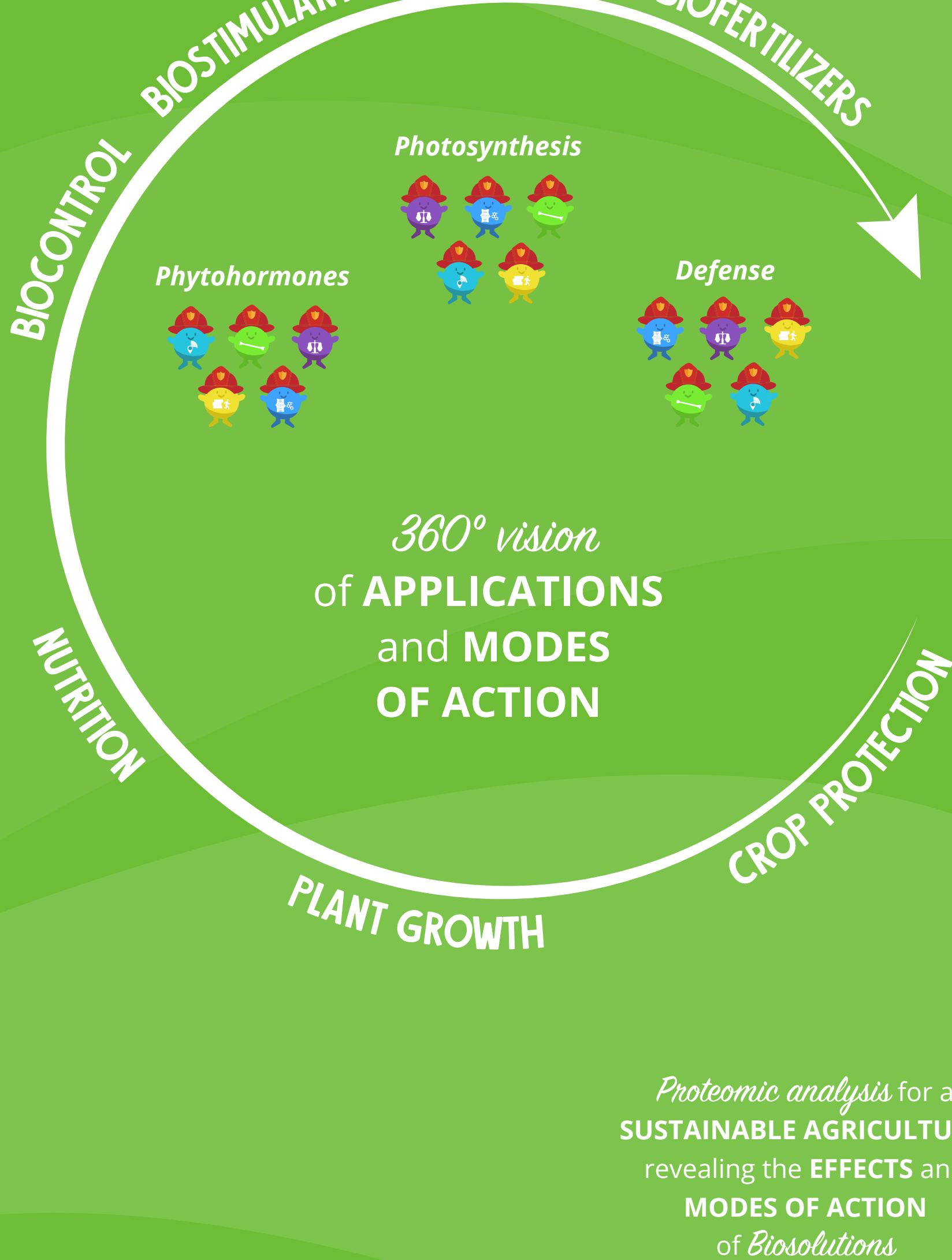
Mobilization of competent troops



**WORKFORCE SENSUS**



Proteomic analysis is used to identify the proteins actors of the cell's reorganization against stress.



Proteomic analysis for a  
**SUSTAINABLE AGRICULTURE**,  
revealing the **EFFECTS** and  
**MODES OF ACTION**  
of Biosolutions



Elysia Bioscience is a French laboratory that reveals, at the cellular level, the **effects and modes of action of your products** on **health and environment**.

Our team of **multidisciplinary doctors and engineers** provides the research support you need for proteomics analysis: we give you **interpreted and outreached scientific results**, coupled with a spirit of synthesis for **regulatory and marketing emphasis**.



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Proteomics is also applied to **natural cosmetics**