



CREATING  
A CLIMATE  
FOR GROWTH

PRIVA

**> WE NEED A MICRO CLIMATE CHANGE**





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A New Way to Grow Vegetables  
**The Kameoka Project**  
-The World's Largest-scale Vertical Farm-





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## BIG 10 = \$42B

|     |                    |     |
|-----|--------------------|-----|
| 1.  | Canopy Growth      | 11  |
| 2.  | Tilray             | 10  |
| 3.  | Aurora             | 6   |
| 4.  | GW Pharmaceuticals | 4   |
| 5.  | Curaleaf           | 2,7 |
| 6.  | Aphria             | 2   |
| 7.  | GreenThumb         | 1,7 |
| 8.  | Cronos             | 1,5 |
| 9.  | MedMen             | 1,5 |
| 10. | Acreage            | 1,2 |



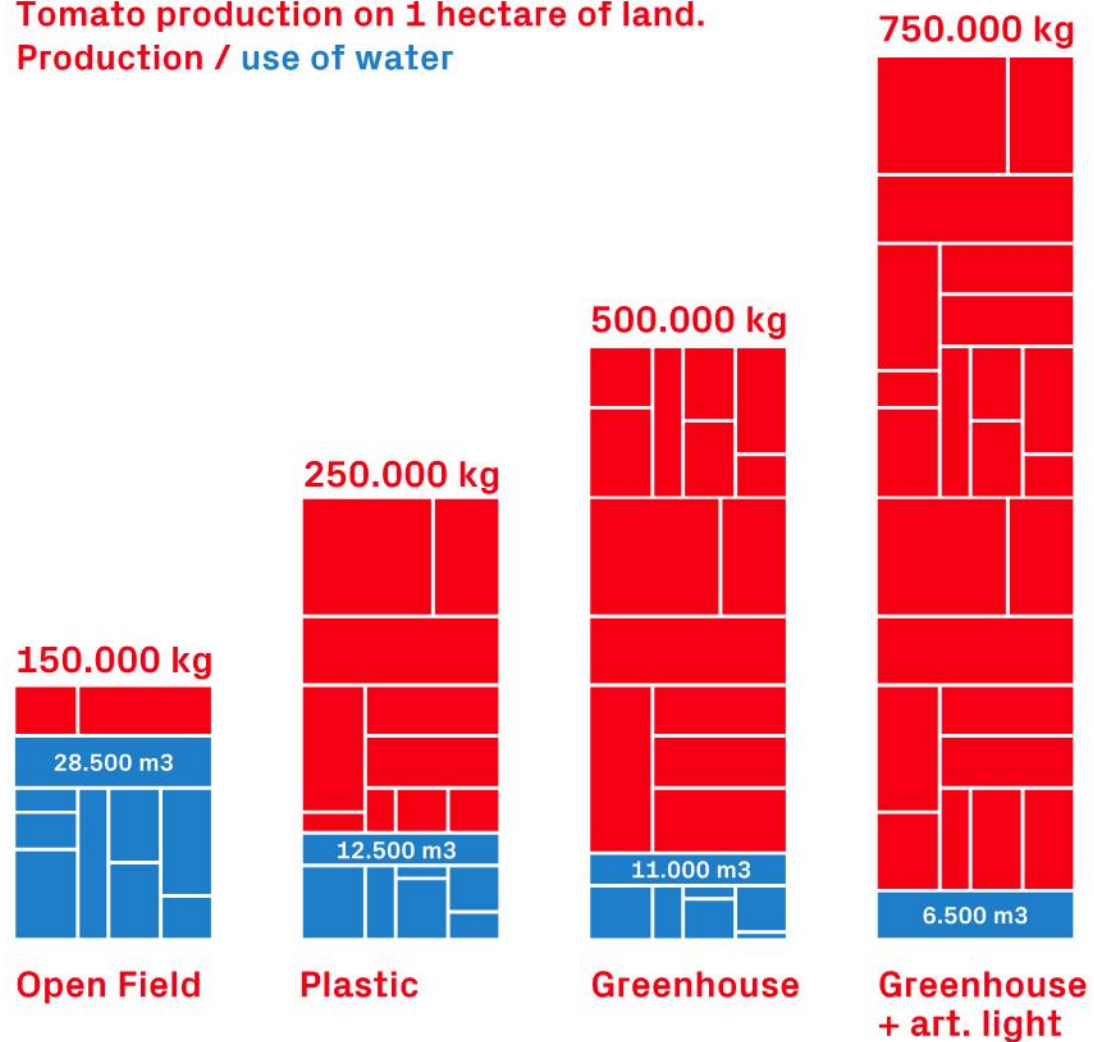






# AN EXAMPLE

Tomato production on 1 hectare of land.  
Production / use of water





# SUSTAINABLE URBAN DELTA







# DUTCH GREENHOUSE DELTA





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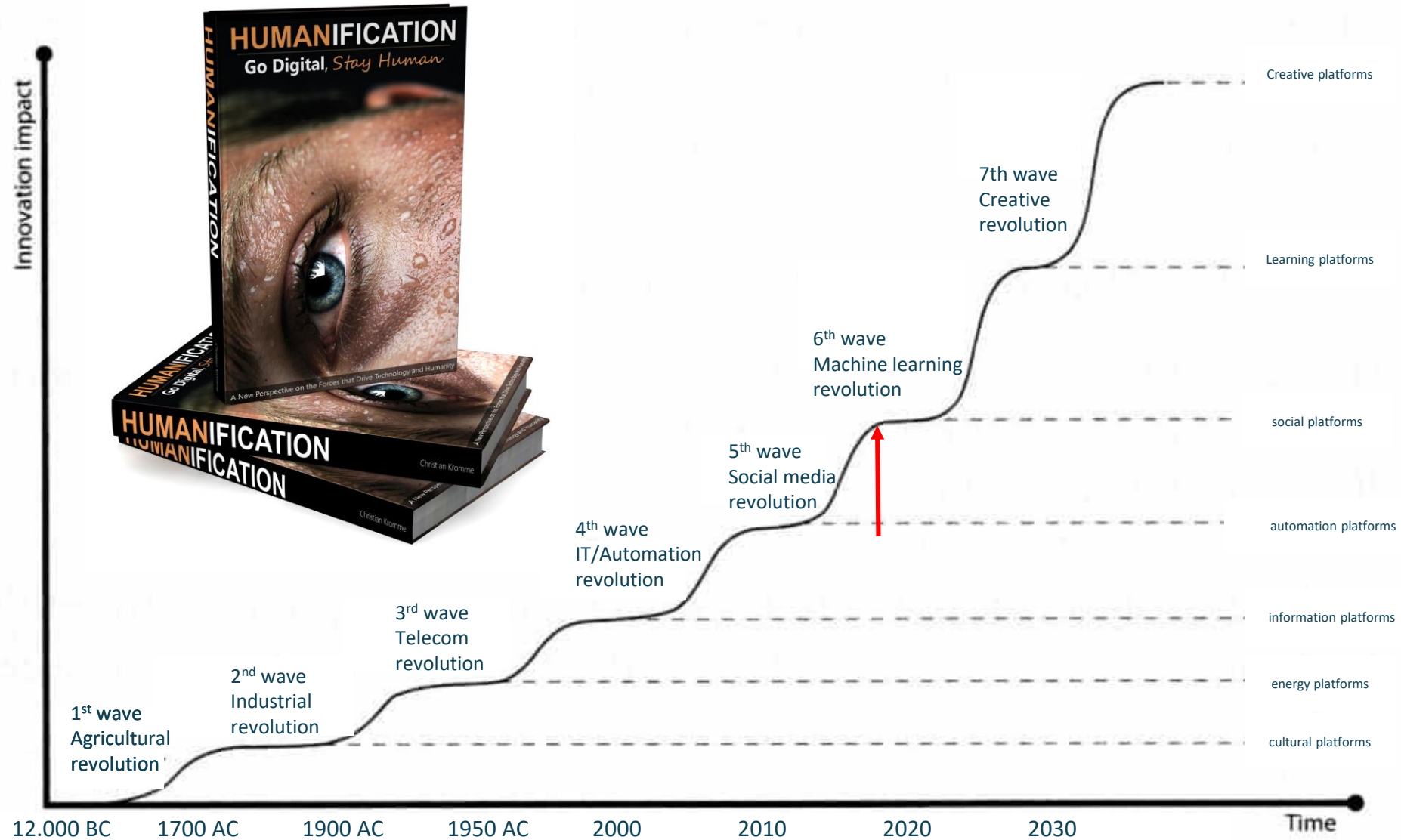








# The 7 Waves – Nature's Map





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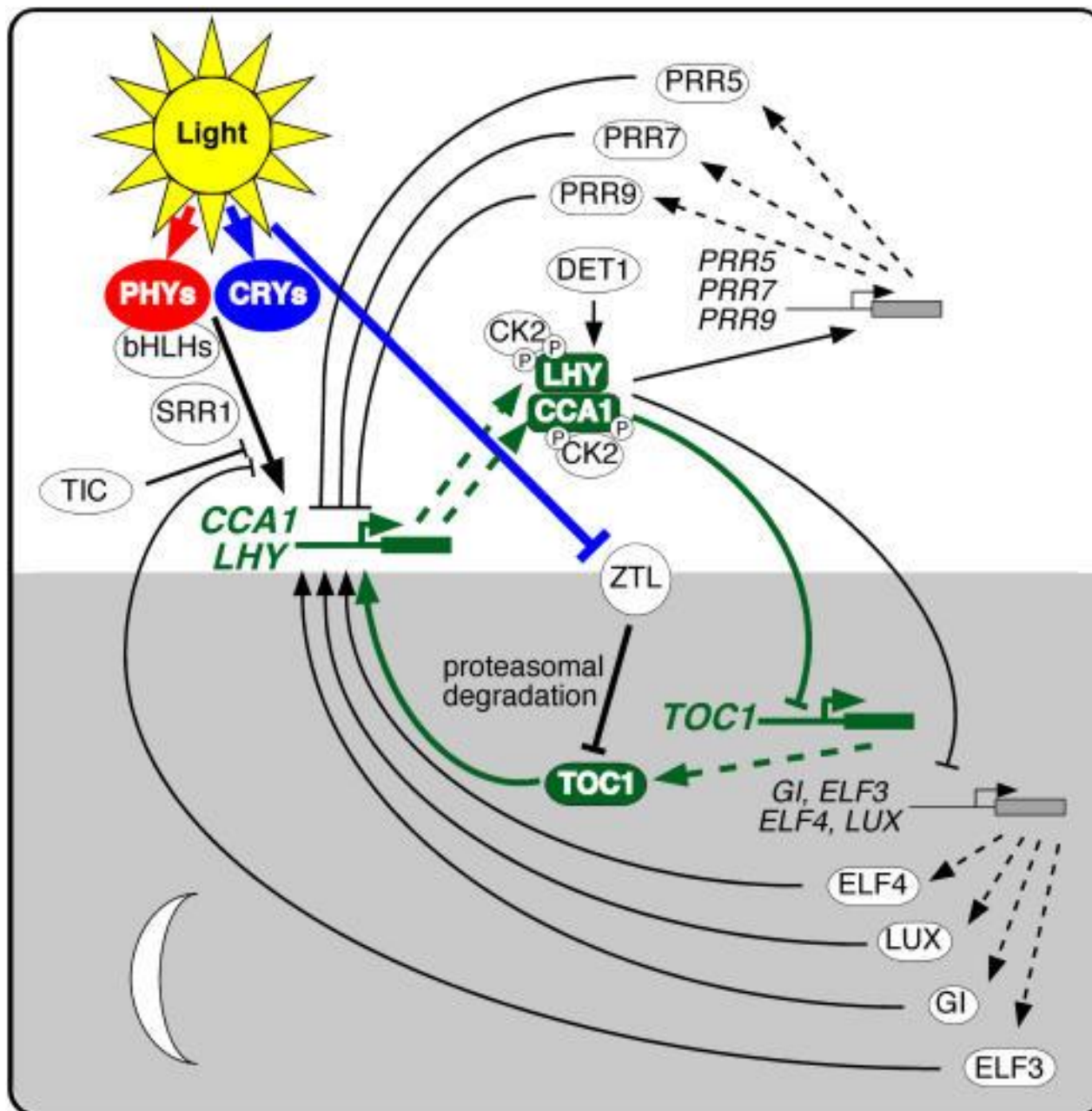
















## GROWABILITY OF SPECIES

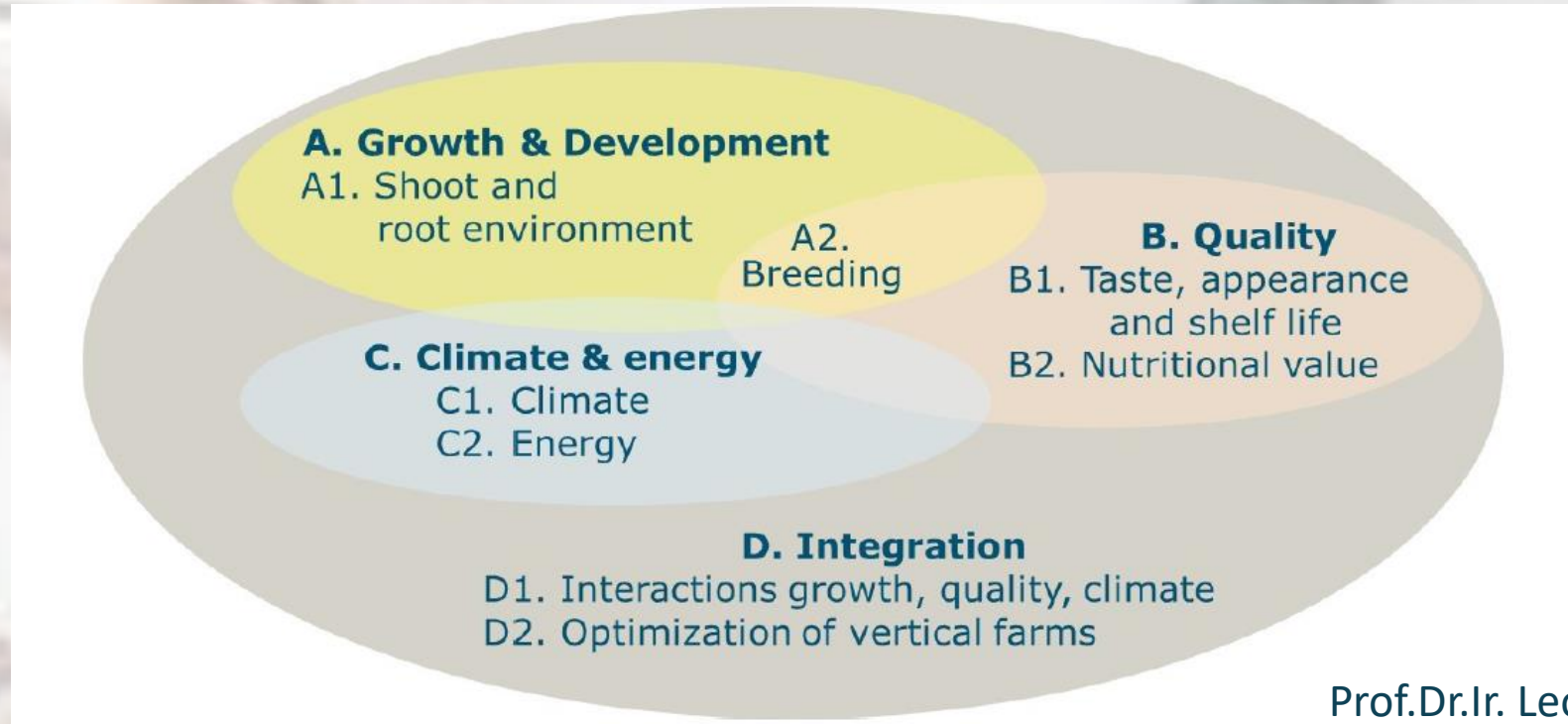
- Microgreens
- Lettuce
- Leafy herbs
- **Cannabis**
- Cucumber
- Tomato
- Peppers
- **Strawberries**

EASY



TOUGH





Prof.Dr.Ir. Leo Marcelis, Wageningen UR

**> ROOM FOR IMPROVEMENT ON SEVERAL TOPICS**



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PRECISION INDOOR PLANTS

A  FFAR COLLABORATIVE







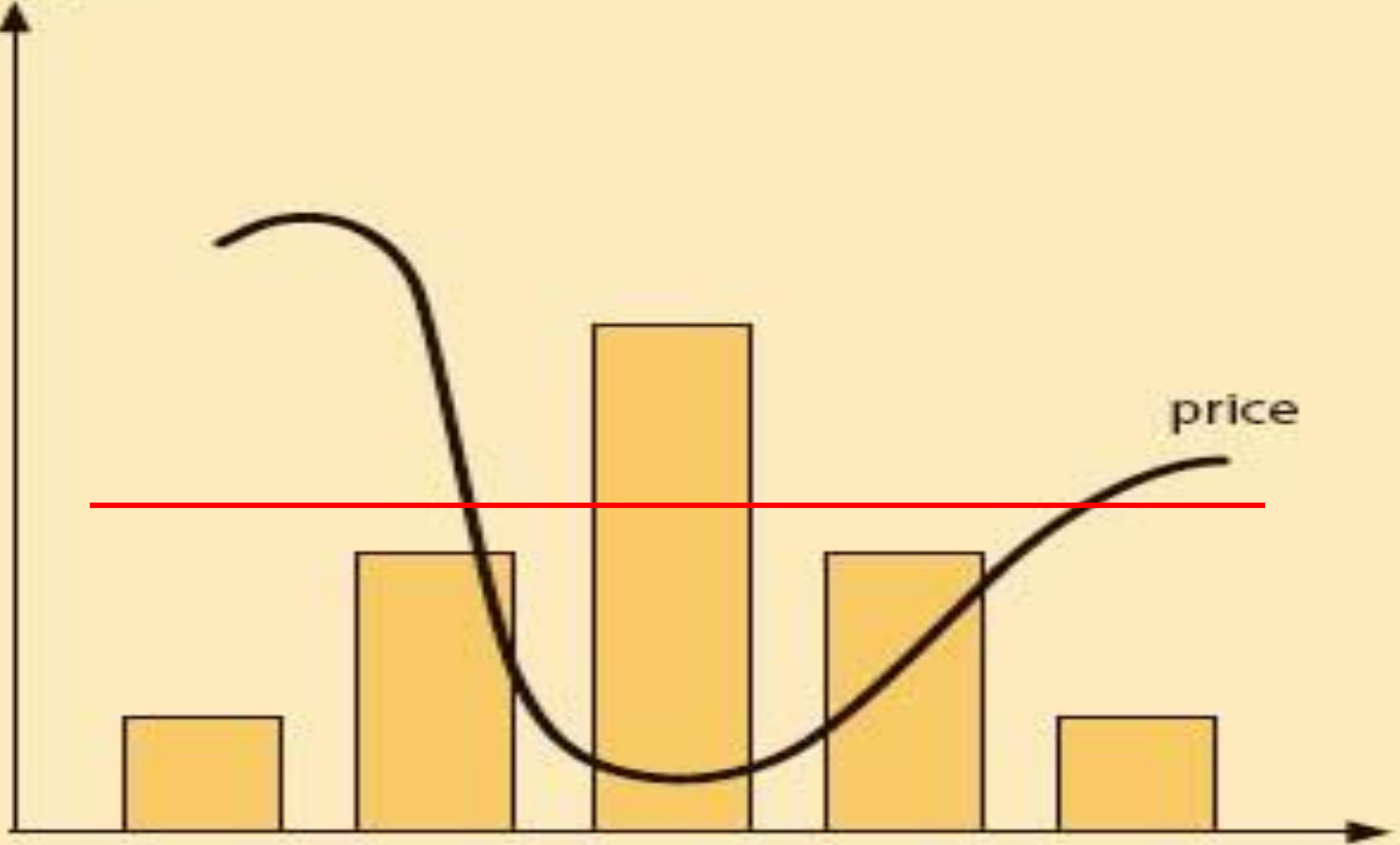
|                          |                      |                        |             |   |                                      |           |              |             |                 |
|--------------------------|----------------------|------------------------|-------------|---|--------------------------------------|-----------|--------------|-------------|-----------------|
| Investment               | € 2,000,000          |                        |             |   |                                      |           |              |             |                 |
| Interest                 | 3%                   | Turnover               | € 1,200,000 | → | Kg / year                            | m²        | Retail price | € / kg      |                 |
| Maintenance % investment | 2%                   | COGS*                  | € 420,000   |   | 100                                  | 2000      | € 6.00       | € 1,200,000 |                 |
| m² grow area             | 2000                 | Gross profit           | € 780,000   |   |                                      |           |              |             |                 |
|                          |                      |                        |             |   |                                      |           |              |             |                 |
|                          |                      | Costs / Opex           |             |   |                                      |           |              |             |                 |
|                          |                      | Electrical             | € 36,960    | → | Kwh per 24H                          | Days      | Weeks        | € / Kwh     | Electrical cost |
|                          |                      | Maintenance            | € 40,000    |   | 2750                                 | 7         | 48           | € 0.04      | € 36,960        |
|                          |                      | Misc.*                 | € 360,000   |   |                                      |           |              |             |                 |
| Investment               | Invest / m² growarea | Ebitda                 | € 343,040   |   |                                      |           |              |             |                 |
| € 2,000,000              | € 1,000              | Amortisation           | € 333,333   |   |                                      |           |              |             |                 |
|                          |                      | Interest / dividend    | € 50,000    |   |                                      |           |              |             |                 |
|                          |                      | Net profit             | (€ 40,293)  |   | Min payback period in years:         |           |              | 6           | € 333,333       |
|                          |                      |                        |             |   | Current payback based on EBITDA:     |           |              | 5.8 years   |                 |
|                          |                      |                        |             |   | Current payback based on Net profit: |           |              | 6.8 years   |                 |
|                          |                      |                        |             |   |                                      |           |              |             |                 |
|                          |                      | *Estimation in % of TO |             |   | Type                                 | kg / year |              |             |                 |
|                          |                      |                        |             |   | Salanova                             | 100       | Approx.      |             |                 |
|                          |                      |                        |             |   | Basil                                | 44        | Approx.      |             |                 |
|                          |                      |                        |             |   | Cilantro                             | 26        | Approx.      |             |                 |
|                          |                      |                        |             |   | Herbs                                | 37        | Approx.      |             |                 |
|                          |                      |                        |             |   | Cut greens                           | 55        | Approx.      |             |                 |
|                          |                      |                        |             |   | Cannabis                             |           | Approx.      |             |                 |



supply

price

time







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KRÄUTERGARTEN

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ROW 3

ROW 4



















## Board of Directors



**Gus van der Feltz**

Chairman



**Penny McBride**

Vice-Chair



**Yanni Garcia**

Vice-Chair



**Adam Rosenbaum**

Director

## General Management



**Tom Zöllner**

Secretary General









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# THANK YOU!

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