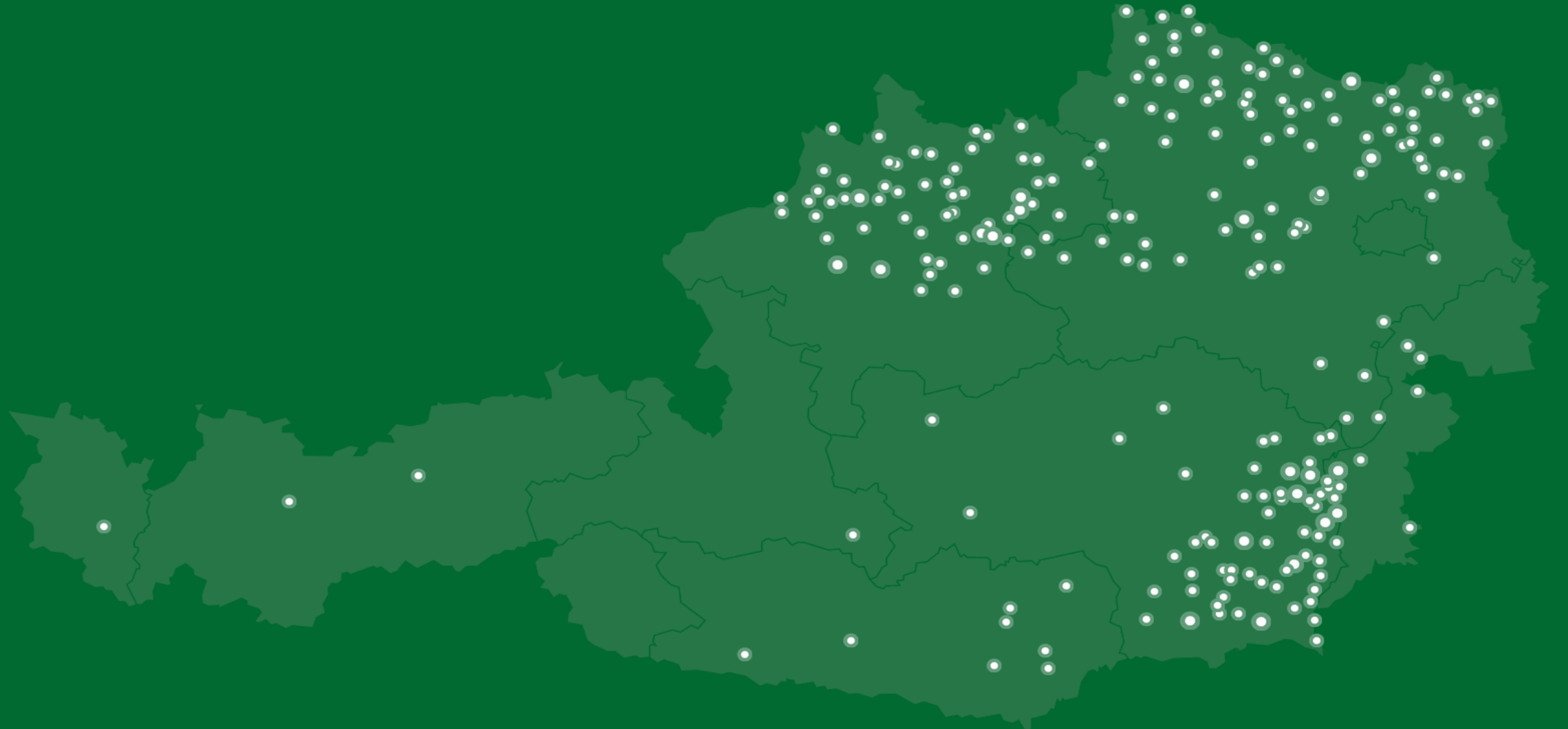




Carbon farming on arable land- Potentials and necessities

400 farmers building up humus
on almost 5000 ha in Austria and Slovenia



Humus+Program

Agreement and Soil analysis



3-7 years building
up humus



Soil analysis



If $> 0,2$ build up =
payment of $2/3$

5 years holding humus +
additional build up



Soil analysis



If $\pm 0,2$ = payment of $1/3$
+ additional build up

...

Soil Sampling

- Highest accuracy
- Pitches from 1-5 ha
- 25 GPS located samples



3 principles of building up humus



**Maximise
Diversity**



**Maximise
Performance of photosynthesis**



**Minimise
Soil disturbances**

Maximise diversity

- Diverse Crop Rotation
- Under cropping
- Intermediate cropping
- Companion planting
- Winter crops
- Agroforestry, hedges



Maximise photosynthesis performance

- Diverse Crop Rotation
- Under cropping
- Intermediate cropping
- Companion planting
- Winter crops
- Agroforestry, hedges



Minimal soil disturbance

- Minimal tillage

(No-till farming, Mulch-till, Ploughless)

- Reduction agro-chemicals

(herbicides, pesticides, fungicides, fertilisers)



Humus+Education



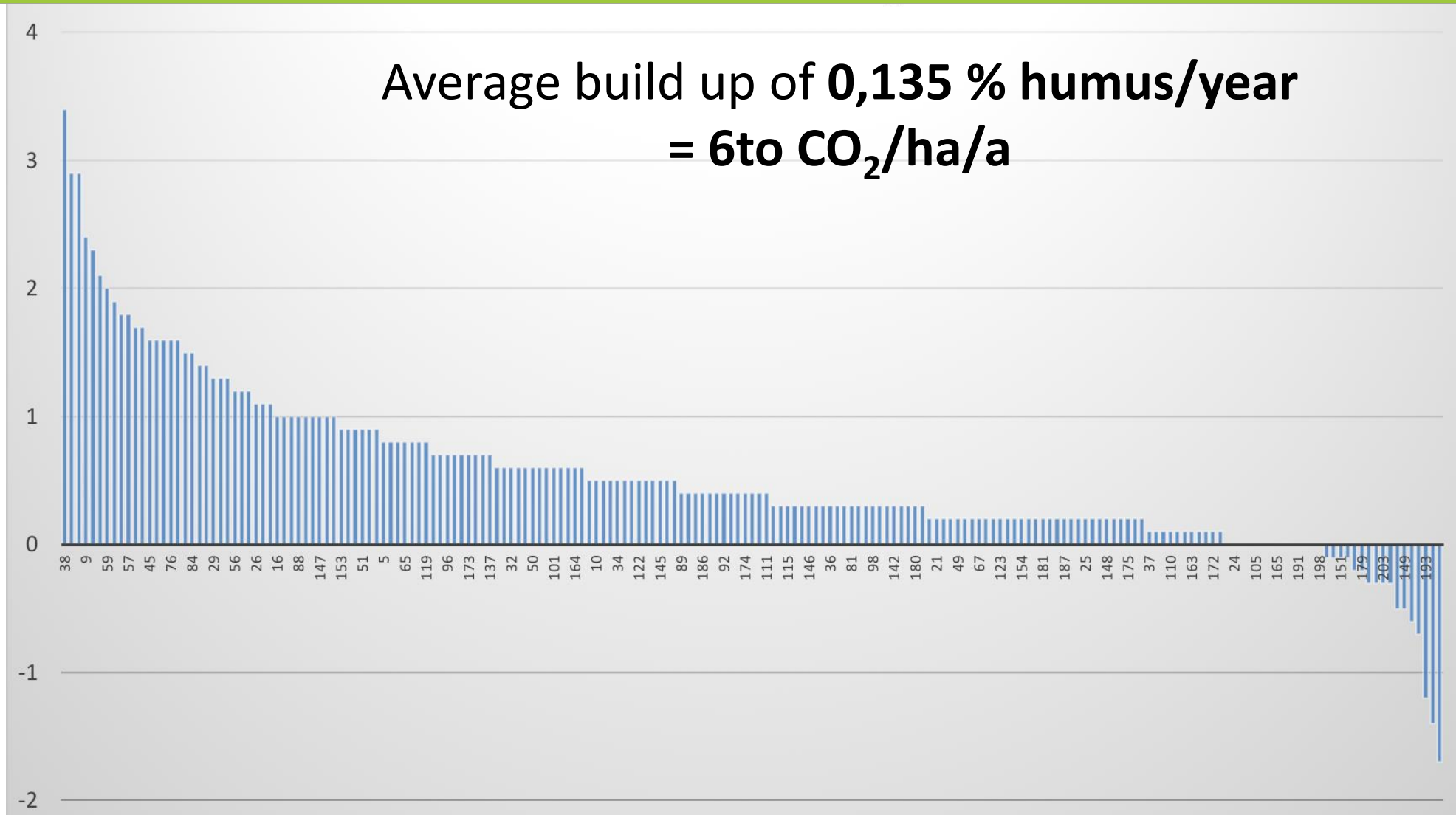
+ Humus+Days

+ Humus+Academy

+ Humus+GetTogether



76% successful



Humus+Certificates

More than **500.000 Euros** are paid to farmers.

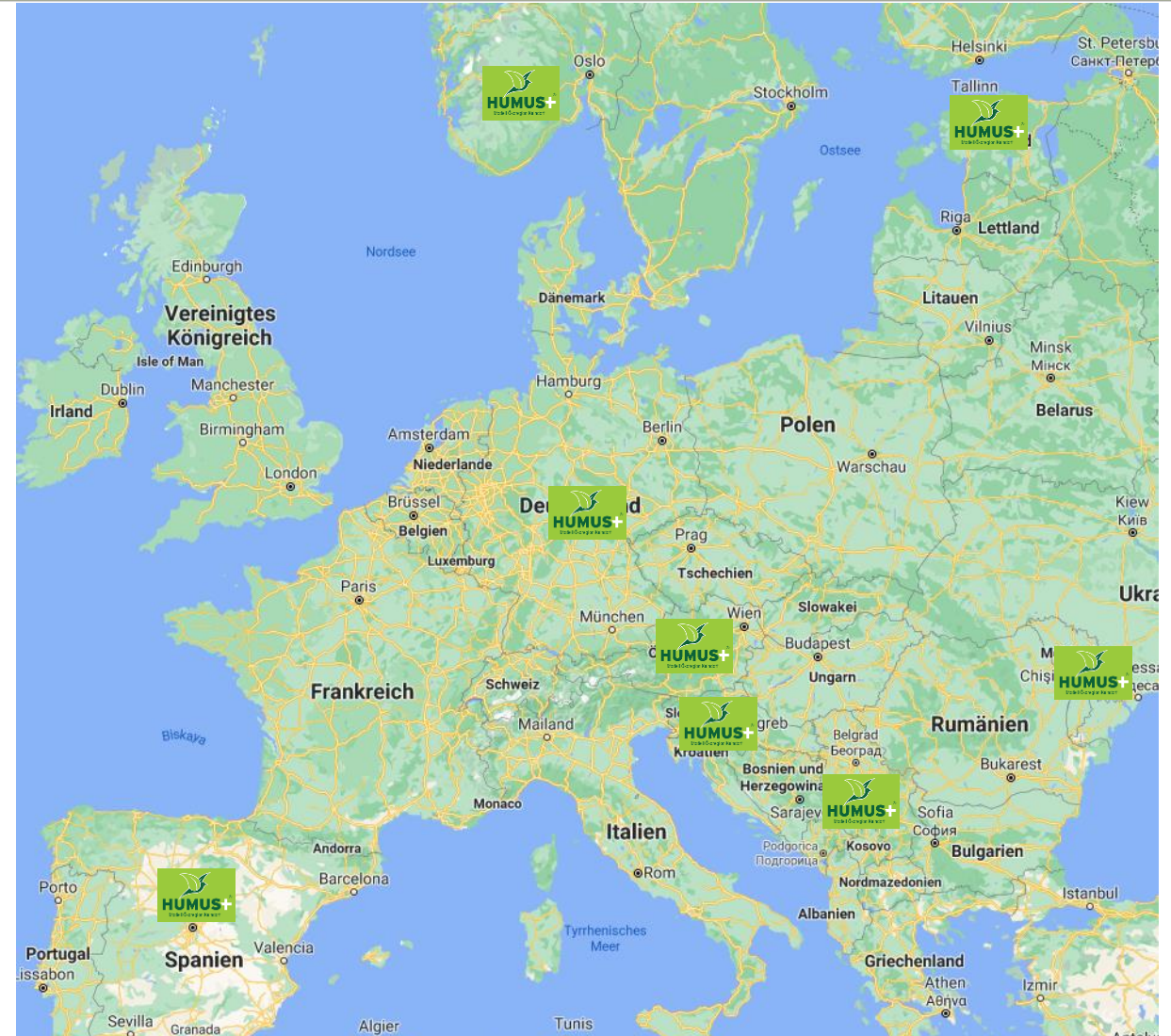
Ist not a funding – it is a payment for the performance of carbon sequestration



Humus+International



-Interests from Norway
to Moldavia



Discussions

- **Permanence**

- Carbon content is result of management

- **Additionality**

- compost production is the highest efficiency
- Single fields should be allowed (low barrier to entry)

- **Leakage**

- By starting with single fields: leakage could be possible, but only if farmers can see a different in soil fertility, they will be ready to change the management system on the whole farm.

- **Understand farmers**

- Never try to oblige a farmer to anything – give him opportunities and possibilities



Thanks for your attention



Time for questions and discussion...