

3rd BELIS Webinar

Image processing: Pixels to Phenotypes to advance legume breeding

Date: June 22, 2026

Time: 3.00 – 5.00 pm CET

Duration: 2 h

Agenda

1. Opening and welcome (5 min)

Joaquín Balduque & Antonio López-Francos (CIHEAM Zaragoza)

2. BELIS Project presentation (15 min)

Bernadette Julier (INRAE)

- BELIS aim and structure
- BELIS network aim and activities

3. Pixels to Phenotypes: Spectral, Spatial, and AI Concepts in (UAV) Imagery (30 min)

Arno Kasprzak & Peter Lootens (ILVO)

4. Lucerne case (15 min)

Eric Roy & Bernadette Julier (INRAE)

5. Red clover flowers counting (15 min)

Arno Kasprzak (ILVO) & Michelle Nay (WBF – Agroscope)

6. Pea case (15 min)

Corina Oppliger (ETH)

7. Discussion and Q/A (20 min)

8. Closing (5 min)

Joaquín Balduque & Antonio López-Francos (CIHEAM Zaragoza)