Intercropping rapeseed with legume crops

- Winter oilseed rape in France:
  - 2nd arable crop for cultivated area, treatment frequency index, N applied/ha
  - Increasing difficulties to control weeds and insect damage (resistances, etc.)
  => new strategies needed to secure production while reducing inputs

- Principle:

- Benefits:
  - ↘ insect damage
  - ↘ weed competition
  - ↗ rapeseed N nutrition in autumn
  - ↗ grain nitrogen use efficiency
  (maintained yield with reduced fertilization)

Provided a successful establishment
(see poster of Cadoux et al., this conference)

- On farm implementation:

Scientific references:
- Cadoux et al. 2015. Intercropping frost-sensitive legume crops with winter oilseed rape reduces weed competition, insect damage, and improve nitrogen use efficiency. OCL, 22(3) D302.
- Verret et al. 2017. Assessment of the benefits of frost-sensitive companion plants in winter rapeseed. EJA (91), 93-103.