# Expected selection gain: components

**Ressources and restrictions**
**(genetical / technical / economical -> budget)**

**Number of candidates,**
**locations, years, replicates**

**Genetic variances**
**and covariances**

**Selection**
**intensity**

**i**

**Heritability**
**(square root)**

**h**

**Genetic corr.**
**betw. test and**
**target unit**

**ρ**

**Std. dev.**
**in gain**
**criterion**

**σ**

$$G = i \, h \, \rho \, \sigma$$