

Deciphering plant resilience mechanisms to face the multiple disease challenge in fruit trees

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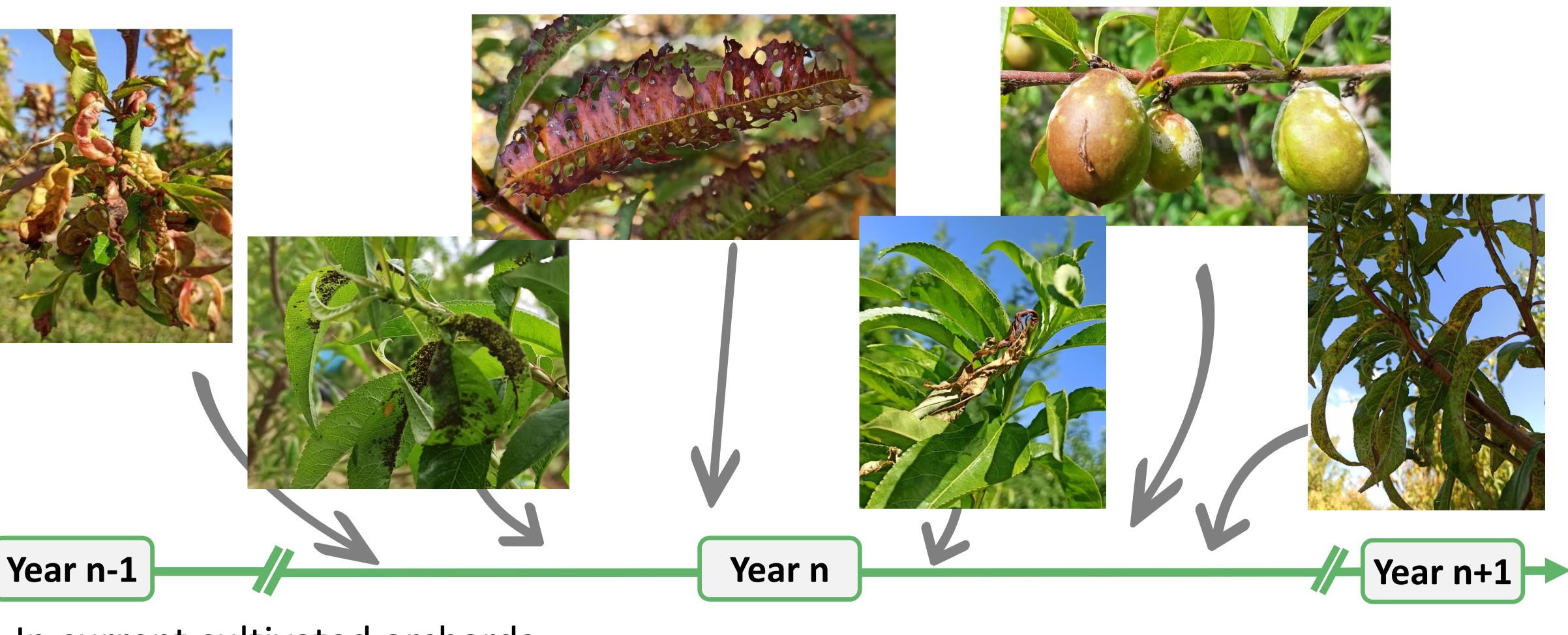
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Deciphering plant resilience mechanisms to face the multiple disease challenge in fruit trees

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¹INRAE, UR GAFL, Avignon, France; ²CIRAD, UMR PHIM, Montpellier, France; In current cultivated orchards:

- Fluctuating pressures of multiple pests and diseases
- Cumulative effects over the years
- Lack of multi-resistant varieties



High dependence on phytosanitary products

³INRAE, UERI Gotheron, Saint-Marcel-lès-Valence, France

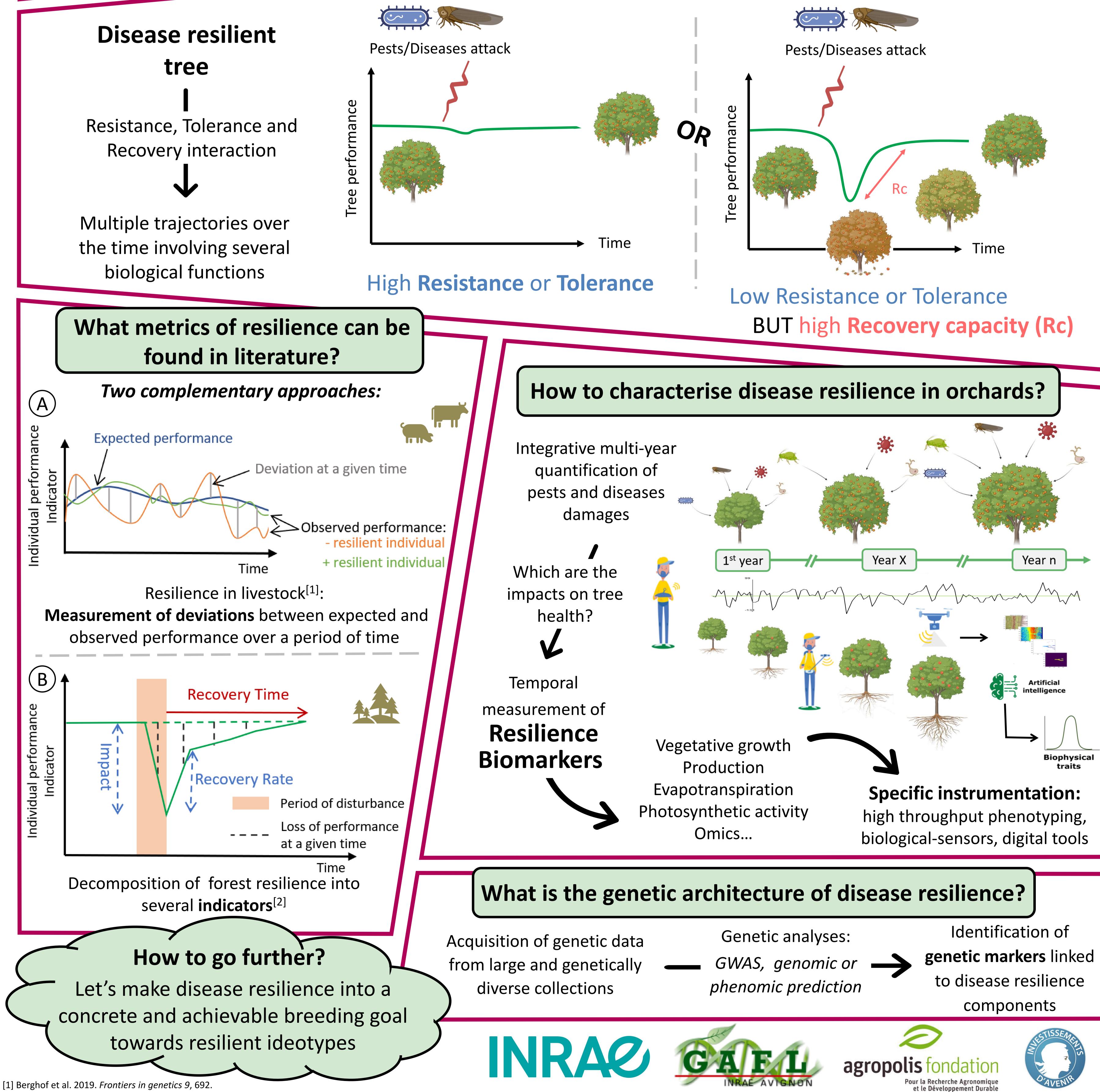
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tree

Recovery interaction

biological functions

Could disease resilience, as a key component of plant immunity, be relevant to study tree survival and fitness in this context?



[1] Berghof et al. 2019. Frontiers in genetics 9, 692.

[2] Lloret et al. 2011. Oikos 120(12), 1909-1920; Thurm et al. 2016. Forest Ecology and Management 376:205-220.

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