

SIMANF{R}

Model for *Cistus ladanifer* stands Zamora (Spain)

Model

Cladanifer_stand_zam_v01.py

Model description

- Specie: *Cistus ladanifer*
- Spanish Forest Inventory (SFI) code: 1101
- Geographical area: Zamora
- Geographical area (administrative): Zamora

Model type

- Category: stand growth
- Model level: stand
- Species composition: monospecific stands
- Forest origin: natural

Model requirements and recommended use

- Initial inventory requirements: TR, TIME_AT, SEPTEMBER_RAIN, RAIN_AS, TMIN_SO, TMIN_ON, TMIN_OND, TMMIN_OCT, TSUM_MEAN_SO, TSUM_MMIN_SO, TSUM_MMIN_ON, TSUM_MMIN_SOND (check metadata to know how to calculate it)
- Geographical area: Zamora, closer places and other places with similar characteristics (assuming differences)
- Stand type: monospecific stands
- Execution recommended time: no recommendations



Figure 1: *Cistus ladanifer* flower



Figure 2: *Cistus ladanifer* field



Figure 3: Details of *Cistus ladanifer*

Bibliography

Complete SIMANFOR model recommended citation):

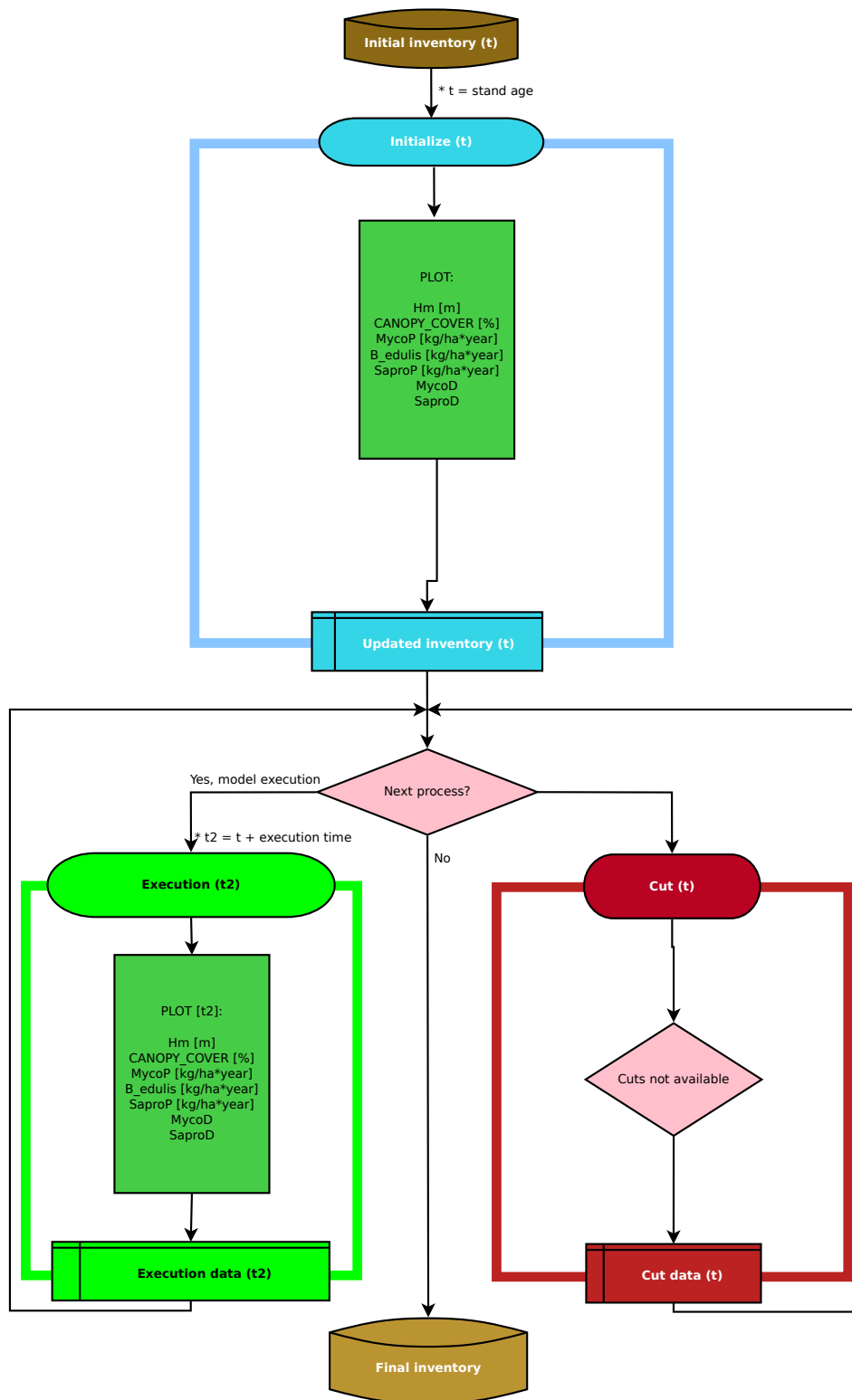
SIMANFOR (2022). Stand growth model for common gum cistus (*Cistus ladanifer*) in Zamora (Spain).

Model components:

- **Mean height equation:**
Hernández-Rodríguez M, de-Miguel S, Pukkala T, Oria-de-Rueda JA & Martín-Pinto P (2015). Climate-sensitive models for mushroom yields and diversity in *Cistus ladanifer* scrublands. *Agricultural and Forest Meteorology*, 213, 173-182
- **Canopy cover equation:**
Hernández-Rodríguez M, de-Miguel S, Pukkala T, Oria-de-Rueda JA & Martín-Pinto P (2015). Climate-sensitive models for mushroom yields and diversity in *Cistus ladanifer* scrublands. *Agricultural and Forest Meteorology*, 213, 173-182
- **Mushroom equations:**
Hernández-Rodríguez M, de-Miguel S, Pukkala T, Oria-de-Rueda JA & Martín-Pinto P (2015). Climate-sensitive models for mushroom yields and diversity in *Cistus ladanifer* scrublands. *Agricultural and Forest Meteorology*, 213, 173-182
- **Harvest equations:**
NOT AVAILABLE

Figures:

- **Figure 1:** by De Juan Sanchez - [1], CC BY-SA 2.0, <https://commons.wikimedia.org/w/index.php?curid=1876104>
- **Figure 2:** by De Javier martin - Own work release donated to Wikipedia foundation., CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=2156980>
- **Figure 3:** by De Curtis, William The Botanical Magazine, Vol. 4 - <http://www.gutenberg.org/files/17979/17979-h/17979-h.htm#Cistus>, Dominio público, <https://commons.wikimedia.org/w/index.php?curid=1091956>



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Interest Links

SIMANFOR - Support system for simulating Sustainable Forest Management Alternatives. Accessed 11 May 2021, in <https://www.simanfor.es/>

iuFOR - Sustainable Forest Management Research Institute UVa-INIA. Accessed 11 May 2021, in <http://sostenible.palencia.uva.es/>

ETSIIAA Palencia - Higher Technical School of Agricultural Engineering of Palencia. Accessed 11 May 2021, in <http://etsiiaa.uva.es/>

UVa - University of Valladolid. Accessed 11 May 2021, in <https://www.uva.es>

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