

Table S1. List of acronyms

ABA: Area Based Approach
AESA: Agencia Estatal de Seguridad Aérea (Agency of Aerial Safety)
ALOS: Advanced Land Observation Satellite
ALS: Aerial Laser Scanner
ANN: Artificial Neural Network
ASTER: Advanced Spaceborne Thermal Emission and Reflection Radiometer
ATLAS: Advanced Topographic Laser Altimeter System
AVHRR: Advanced Very High Resolution Radiometer
BAMS: Burned Area Algorithm Software
C2C: Composite to Change
CART: Classification and Regression Tree
CBERS: Chinese Brazil Earth Resources Satellite
CBI: Composite Burn Index
CORINE: Coordination of the Information on the Environment
DAP: Digital Aerial Photography
DEM: Digital Elevation Model
EBLUP: Empirical Best Linear Unbiased Predictor
EnMap: Environmental Mapping and Analysis Program
EO: Earth Observation
ETM+: Enhanced Thematic Mapper Plus
EVI: Enhanced Vegetation Index
EVLOS: Extended Visual Line Of Sight
GEDI: Global Ecosystem Dynamics Investigation
GINFOR: Gestión de Información Forestal
GIS: Geographic Information System
GLAS: Geoscience Laser Altimeter System
GNSS: Global Navigation Satellite Systems
GPP: Gross Primary Production
GSD: Ground Sample Distance
HAPS: High Altitude Pseudo Satellite
HRG: High Geometric Resolution
HRV: High Resolution Visible
HypIRI: Hyperspectral Infrared Imager
ICESat: Ice, Cloud, and Land Elevation Satellite
IMU: Inertial Measurement Unit
InSAR: Interferometric Synthetic Aperture Radar
ISS: International Space Station
ITC: Individual Tree Crown
JAXA: Japan Space Exploration Agency
LandTrendr: Landsat-based Detection of Trends in Disturbance and Recovery
LC: Land Cover

Supplementary table to the article “Remote sensing for the Spanish forests in the 21st century: a review of advances, needs, and opportunities”, by Cristina Gómez, Pablo Alejandro, Txomin Hermosilla, Fernando Montes, Cristina Pascual, Luis Ángel Ruiz, Flor Álvarez-Taboada, Mihai A. Tanase, Rubén Valbuena. Forest Systems Vol. 28 No. 1, April 2019.
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LiDAR: Light Detection And Ranging
 LSMA: Linear Spectral Mixture Analysis
 LU: Land Use
 MAPAMA: Ministerio de Agricultura, Pesca, y Alimentación (Ministry of Agriculture, Fisheries and Food)
 MERIS: MEdium Resolution Imaging Spectrometer
 MESMA: Multiple Endmember Spectral Mixture Analysis
 MFE: Mapa Forestal Español (Spanish Forest Map)
 MMU: Minimum Mapping Unit
 MODIS: Moderate Resolution Imaging Spectroradiometer
 MS: Multispectral
 MSI: Moisture Stress Index
 MSI: Multispectral Instrument
 MVS: Multiview Stereo
 NBR: Normalized Burn Ratio
 NDVI: Normalized Difference Vegetation Index
 NFI: National Forest Inventory
 NIR: Near Infrared
 NOAA: National Oceanic and Atmospheric Administration
 OLI: Operational Land Imager
 PALSAR: Phased Array type L-band Synthetic Aperture Radar
 PNOA: Plan Nacional de Ortofotografía Aérea (National Aerial Orthophotography Program)
 PNOT: Plan Nacional de Observación del Territorio (National Territory Observation Program)
 PolInSAR: Polarimetric Interferometric Synthetic Aperture Radar
 RMSE: Root Mean Square Error
 RPAS: Remotely Piloted Aircraft systems
 RS: Remote Sensing
 SAR: Synthetic Aperture Radar
 SFM: Structure From Motion
 SIF: Sun Induced Fluorescence
 SIOSE: Sistema de Información de Ocupación del Suelo en España (Spanish Land Use Information System)
 SNFI: Spanish National Forest Inventory
 SPOT: Satellite Pour l'Observation de la Terre (Satellite for Earth Observation)
 SWIR: Short Wave Infrared
 TM: Thematic Mapper
 UAV: Unmanned Aerial Vehicle
 VLOS: Visual Line Of Sight
 VNIR: Visible Near Infrared