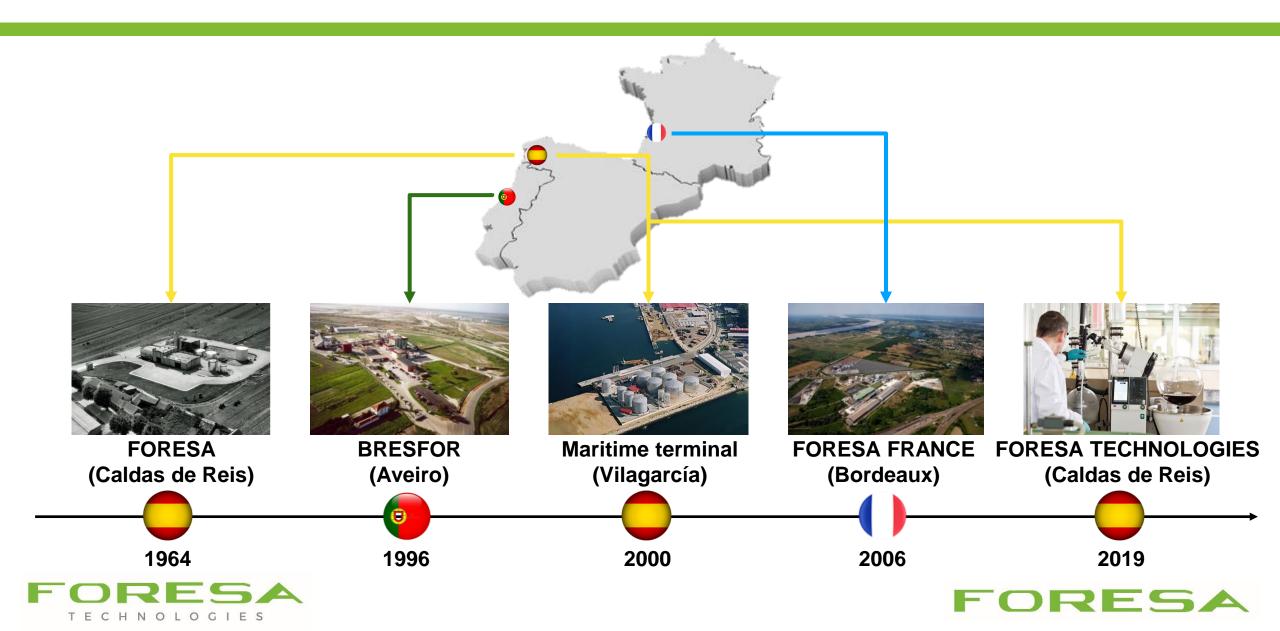
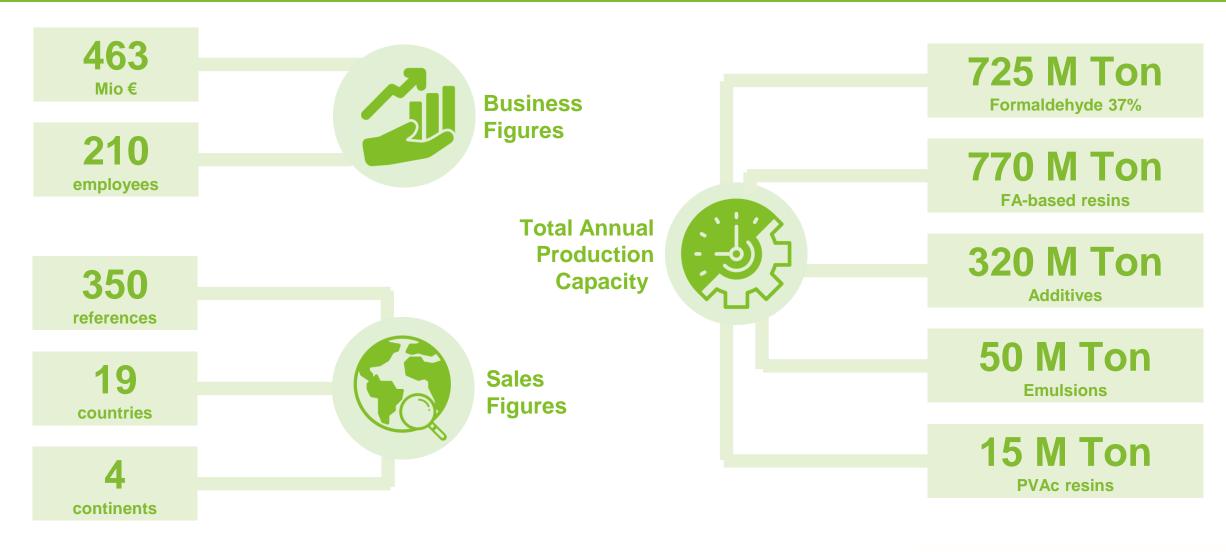


# FORES.A TECHNOLOGIES

#### FORESA and FORESA TECHNOLOGIES



## FORESA business figures 2022





#### FORESA core business: chemistry for wood

Formaldehyde-based resins

Urea-Formaldehyde (UF)
Melamine-Formaldehyde (MF)
Sulfonated MelamineFormaldehyde (SMF)
Phenol-Formaldehyde (PF)
MUF, PUF

Formaldehyde production

Distributors, veterinary use, MDI production, textile, resin producers

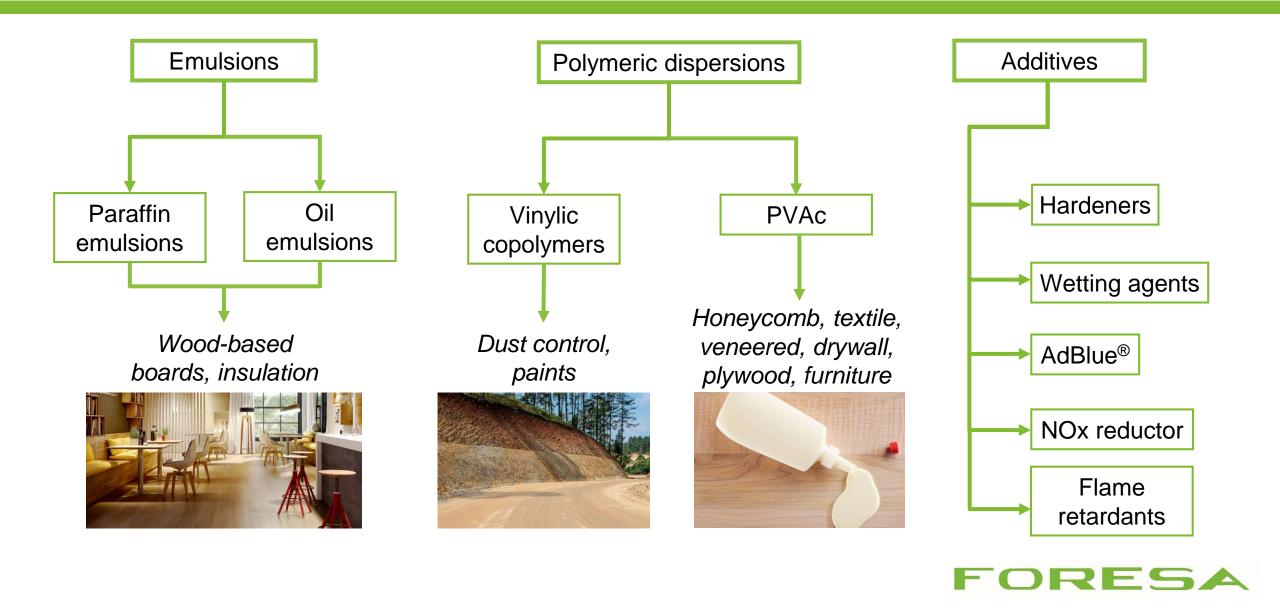


Wood-based panels, paper, cork, coatings, insulation, construction, automotive, varnish

Formaldehyde-based concentrates. Fertilizers. UF, MF, PF Resin producers



### FORESA core business: chemistry for wood



#### FORESA TECHNOLOGIES facilities





Two synthesis laboratories. Atmospheric & pressurized reactors







Instrumentation lab:

- -Chromatography
- -Spectroscopy
- -Rheology
- -Surface Analysis





Pilot plant:
-Panels manufacturing
-Several gluing technologies

#### FORESA TECHNOLOGIES: an R&D company

#### Main research topics

Bio-resins for wood-based panels



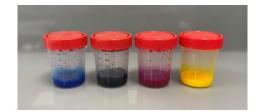


Bio-foams for insulation





Waterbase inkjet inks





**Bio-coatings** 



**Bio-emulsions** 







Mainly for wood-based panels and paper used in impregnation



## H2020 and HE projects



Smart Technologies for the Conversion of Industrial Lignins into Sustainable Materials



Sustainable **coat**ings based on **lig**nin resins and bio-additives with improved fire, corrosion and biological resistance



Development of alternative panel boards based on agricultural waste



Novel materials from agricultural and forestry waste considering how they can be used commercially in the green building sector



Application of Thermo-Chemical Fractionation (TCF) to unlock and fractionate residual biomass





## Thank you!