

Then the approach of Systemic Design has allowed to identify new productive chains that have led to the creation of the Bio-Ecopuntia S.R.L. startup, Alia (Pa). From the cladodes the Bio-Ecopuntia S.R.L startup is able to extract natural elem ents: nopal powder, th enatural liquid, vegetable fibre and thecuticle.

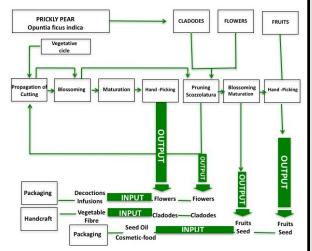
References Barbera G., Inglese P., (2001), Ficodindia, L'Épos,Palermo Bistagnino L. 2009. - Systemic Design: Designing the productive and environmental sustainability. Bra, Italy: Slow F/F Ellen MacArthur Found ation (2015). Toword so dircular Economy: Business Rationale for an Aceterated Finansition Available <u>https://www.ellen.macarthurfoundation.org/asset/downloads/RCF Ellen-MacArthur-Foundation9-Dec-</u> Gibson C.A., Nobel, S.P. (1990). Special chemicals. In The Cactus Primer pp. 198-199, First Havard University Pres: McDonough W., Braurgart M., (2002). CadleTo Cradle,Norhpoint Press, New York

11 for hu mann utrition, haveb een developed, with the colaboration of ar eæarch teammade hescientificresults ont he seed o iup of chemists stsoft heUniversity of Palermo, ReggioCalabriaan d Marche





The prickly pear fibre was applied to make a basket to carry, expose, and contain the prickly pear. The olive branch was used for the handle and the embroidery to join and decorate the parts that make up the basket.



The results show that from output prickly pear there are some potentialities within the project and which could be further developed as input



