The southern border of Spain is one of the main gateways into Europe for irregular immigration by sea. Among the people who arrive by this means, sub-Saharan pregnant women and/or accompanied by children pose a special challenge to public authorities in charge of the fight against trafficking in persons for the purpose of sexual exploitation or forced labor, as well as for the protection of minors on the move. Public institutions such as the State Prosecutor’s office or the Spanish Ombudsman reported the risk that these women run of being exploited in their transit through Europe. Upon arrival on the Andalusian coast, the accompanied minors are referred together with the adult to a home for shelter and humanitarian assistance from where they disappear together before the parentage is proven, in many cases. These context points out especially vulnerable accompanied minors of which we lose track shortly after the arrival in the country. ÖDOS is a pioneer program of comprehensive care for women and children in a situation of victimological risk. It is a specialized resource of first reception and accompaniment of these migrant families to respond an urgent and invisible need of protection and prevention of victimization with a gender and childhood approach. In this communication I will present the results of the external evaluation of the first two years of the ÖDOS program (2018 and 2019) regarding the protection of children on the move. We will focus on the results achieved and the challenges for the future of this innovative initiative.