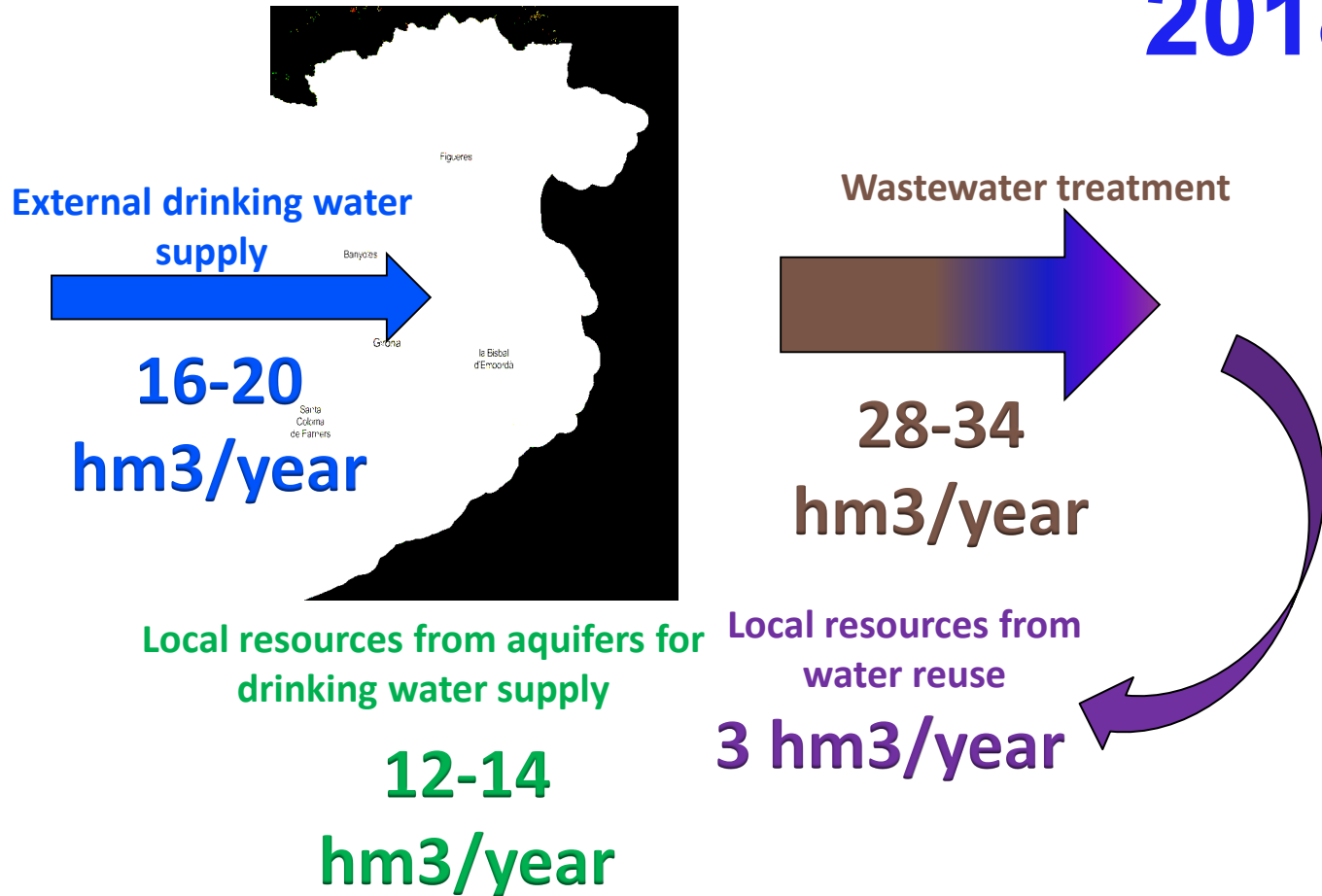


Water balance in the Costa Brava 2018



Golf course irrigation



Since 1989. 4 golf courses, 2 Pitch & Putt facilities
≈ 1.200.000 m³/year

Agricultural irrigation



Since 1997. Vineyards, corn, orchards.
≈ 400.000 m³/year

Environmental uses



Since 1998. Empuriabrava constructed wetlands for the supply of the Aiguamolls de l'Empordà Nature Reserve. $\approx 900.00 \text{ m}^3/\text{year}$

Aquifer recharge for seawater intrusion control



2003-2011: Aquifer of the lower Tordera river, ACA project (2-3 hm³/year)
Also in Llançà and El Port de la Selva (\approx 100.000 m³/year)

Reclaimed water municipal networks



Since 1997. Tossa de Mar, Lloret de Mar, El Port de la Selva
and Portbou $\approx 100.000 \text{ m}^3/\text{year}$

Aquifer recharge for self-supply



Since 2015. El Port de la Selva \approx 15.000 m³/year (initial phase – **NOW ON STAND BY**)

Reclaimed water supply as a service

- Service to **private users with concession** from Catalan Water Agency (golf courses, pitch & putt facilities, agricultural users)
- Service to **municipalities with reclaimed water networks**: framework concession from Catalan Water Agency to CCB
- **Compliance with RD 1620/2007** (parameters, limits, frequencies)
- **O&M of reclamation treatment consistent with O&M of wastewater treatment** – same company, economy of scale, consistent decisions
- **Reclaimed water rates** publicly approved
(http://ccbgi.org/docs/anuncis_contractacions/anunci_bop_aprov_def_ar.pdf) – Monthly fixed rate + price per volume supplied + additional expenses (pumping) to **cover costs of production, supply and monitoring**. Price ranges:
 - Golf courses and pitch & putt: 0,10 – 0,60 €/m³
 - Agriculture: 0,03 – 0,22 €/m³
 - Municipal reclaimed water networks: 0,05 – 0,25 €/m³