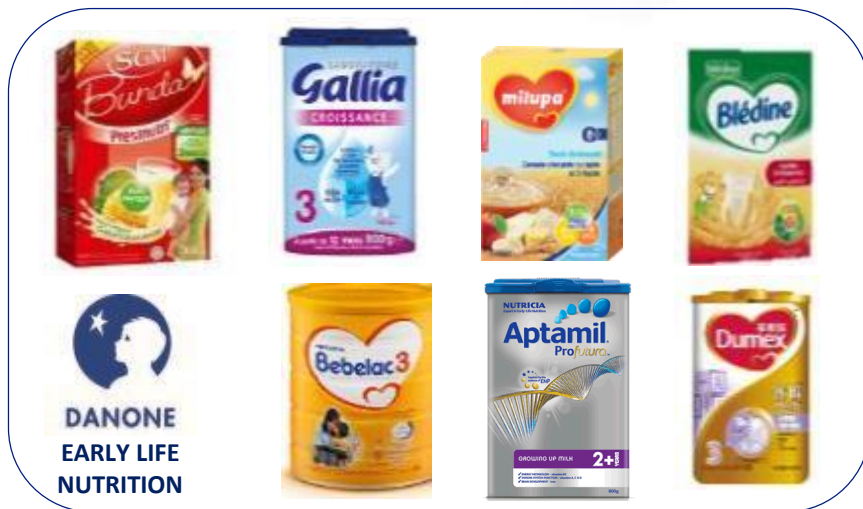
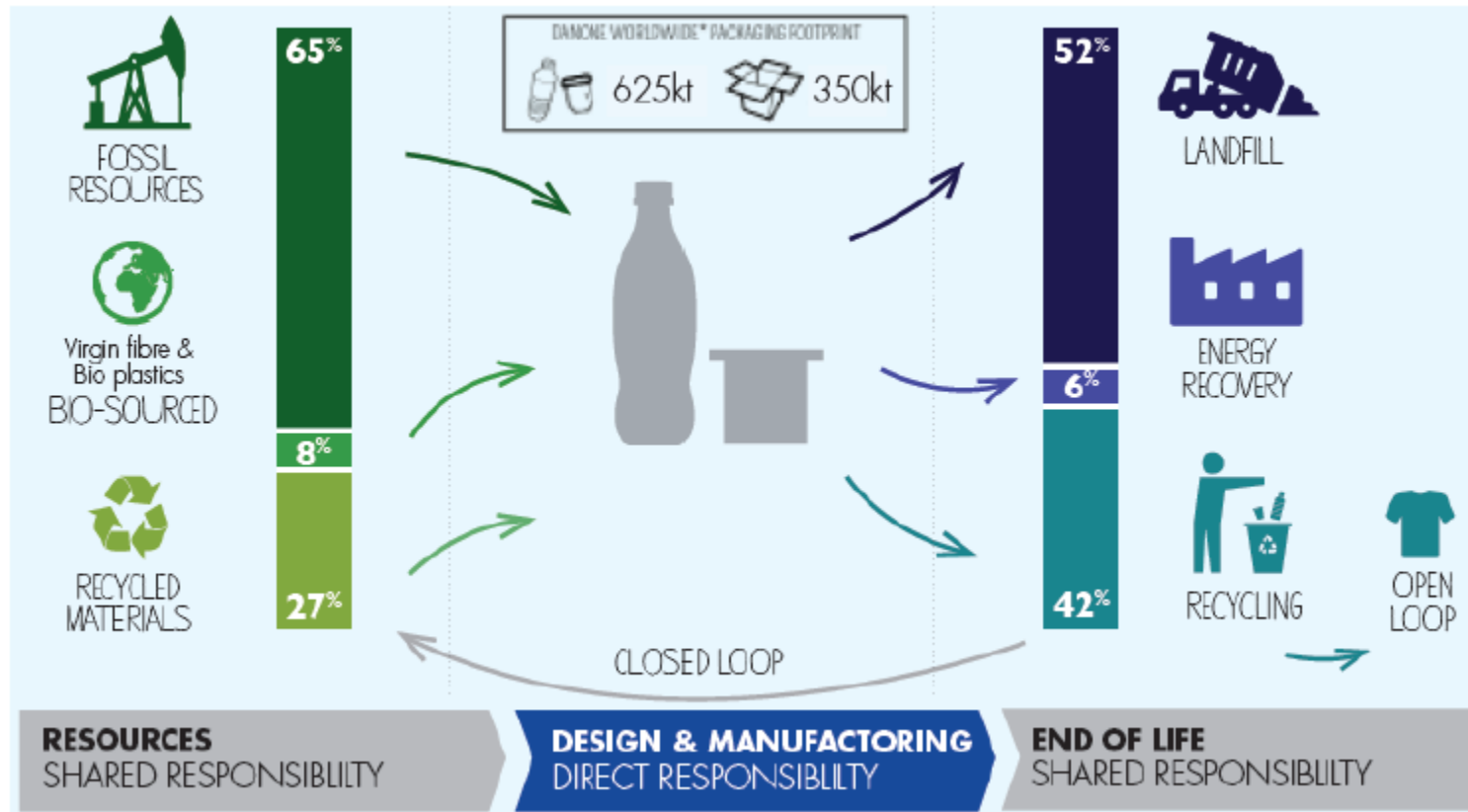


HEALTHY PORTFOLIO



PACKAGING IS A COMPLEX VALUE CHAIN FROM UPSTREAM TO DOWNSTREAM



DESIGN GUIDELINES

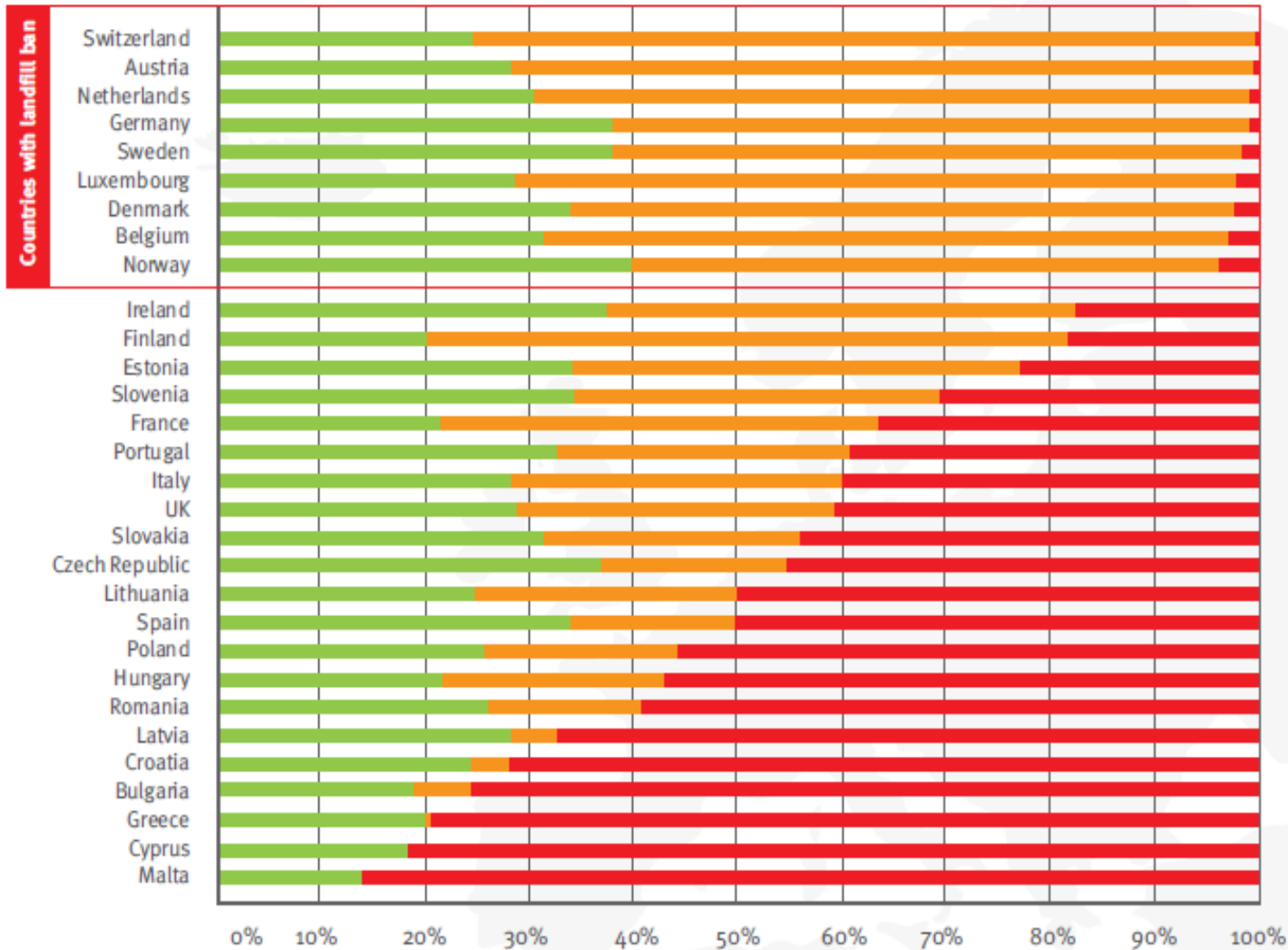
WWW.PETBOTTLEPLATFORM.EU

	<u>YES</u> Full compatibility – materials that passed the testing protocols with no negative impact OR materials that have not been tested (yet), but are known to be acceptable in PET recycling	<u>CONDITIONAL</u> Limited compatibility – materials that passed the testing protocols if certain conditions are met OR materials that have not been tested (yet), but pose a low risk of interfering with PET recycling	<u>NO</u> Low compatibility – materials that failed the testing protocols OR materials that have not been tested (yet), but pose a high risk of interfering with PET recycling
<u>Container</u>	PET		PLA ; PVC ; PS ; PETG
<u>Size</u>			
<u>Colours</u>	transparent clear ; transparent light blue	. .	other transparent colours ; opaque ; metallic
<u>Barrier</u>	SiOx plasma-coating	carbon plasma-coating ; PA multilayer with <5 wt% PA and no tie layers ; PGA multilayer ; PTN alloy	PA multilayer with >5 wt% PA or tie layers; monolayer PA blend ; EVOH

BIOPLASTICS : PLASTICS DERIVED FROM DIFFERENT RENEWABLE FEEDSTOCKS

GENERATION I	GENERATION II	GENERATION NEXT
 	 	
<p><u>Today</u></p> <p>Cassava, corn starch, sugar cane, beet...</p> <p>Feedstock potentially suitable for food or feed</p>	<p><u>Industrial in 2020</u></p> <p>Bagasse, wood chips, switch grass, straw...</p> <p>Feedstock not suitable for food or feed</p>	<p><u>Industrial in 2025</u></p> <p>Algae -Syngas (gasified organic matters or ind. off-gases)</p> <p>Feedstock not suitable for food or feed</p>

In general, countries with landfill ban achieve higher recycling rates



Too much differences between EU member states

Treatment of post-consumer plastics waste 2014
(EU-28 + CH/NO)

Source: Consultic

● Recycling rate
● Energy recovery rate
● Landfill rate



In Brazil : 600 cooperatives working with 60.000 “waste-pickers” on a total of 400.000 officially recognized in the country (In reality there are more than 1 million)

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pack policy is
now on line !

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October 2016

