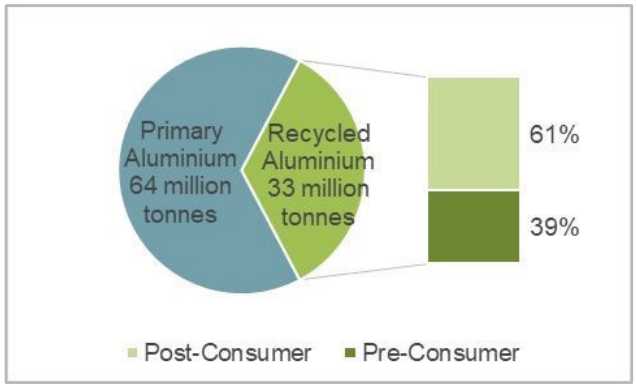
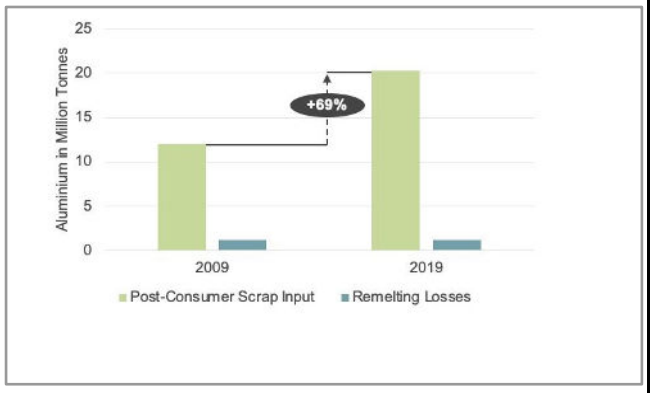
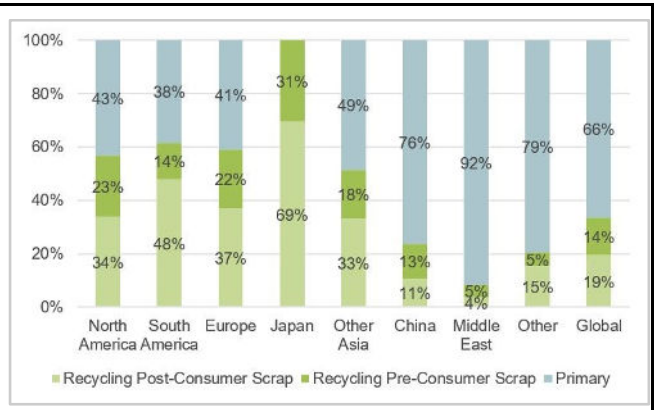
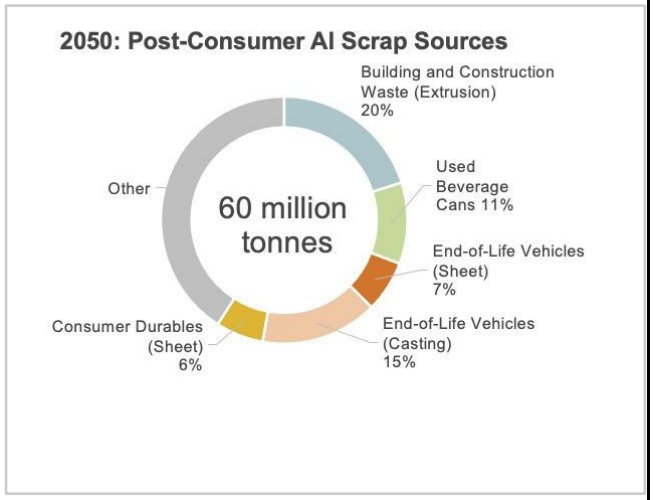
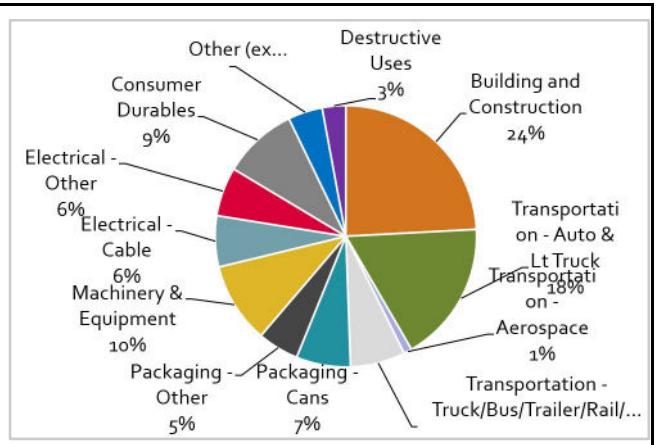
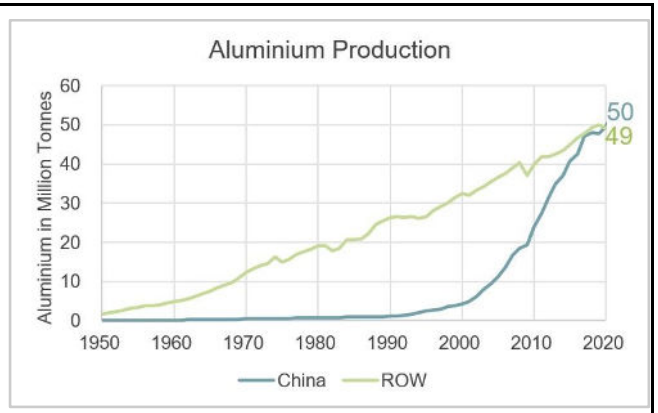
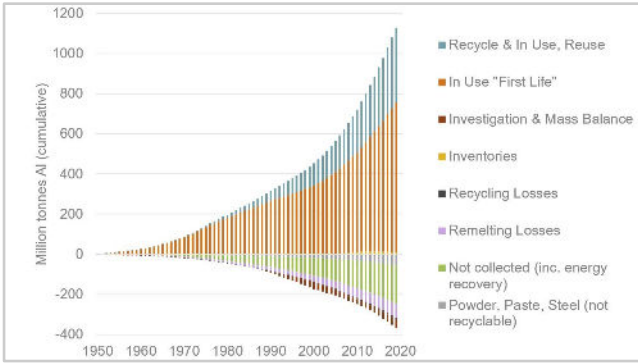
MONDAY STATS POST
BROUGHT TO YOU BY MARLEN BERTRAM

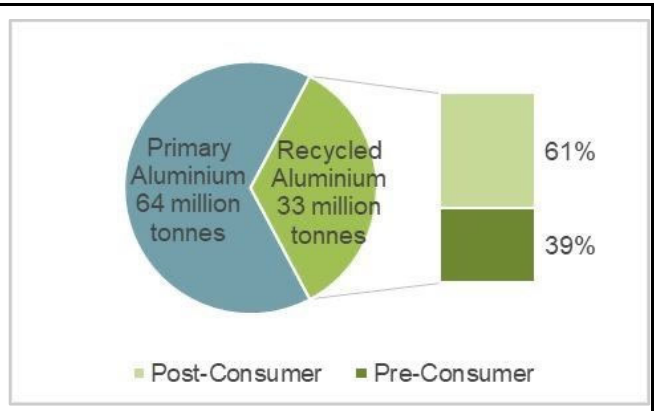
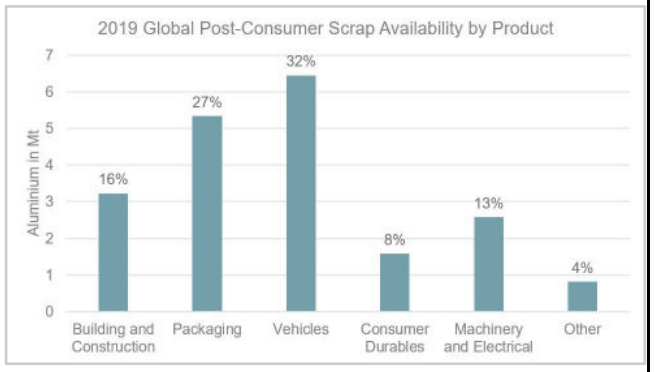
DATE	MONDAY STATS POST	GRAPHIC
01/2/21	Did you know that in 2019, the aluminium industry produced 33 million tonnes of recycled aluminium? Of this number, 61% came from end-of-life products such as used aluminium cans, end-of-life vehicles, and old window frames. Visit our Material Flow data centre, Alucycle, to find out more >> https://bit.ly/3pzDwGR	
08/2/21	Did you know that the amount of recycled aluminium from post-consumer scrap has increased by almost 70% since 2009? Remelting losses have however, only increased by 4%. This is testament to the huge technological advances made by the aluminium recycling industry in the last 10 years. Discover more on Alucycle ⮕ http://ow.ly/8CmH50DtEBL #metals #recycling #aluminum #aluminium #aluminio	

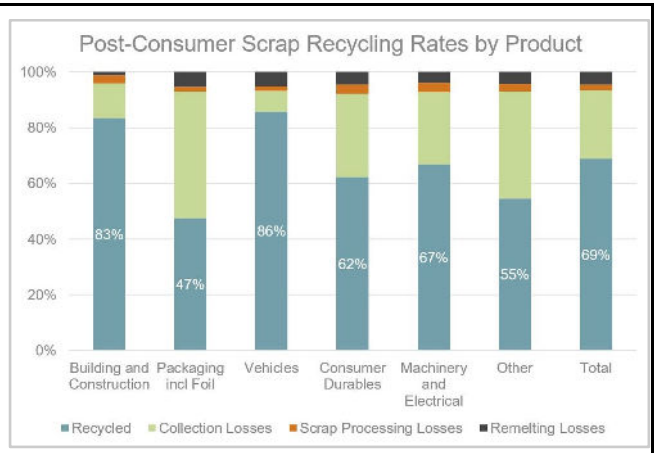
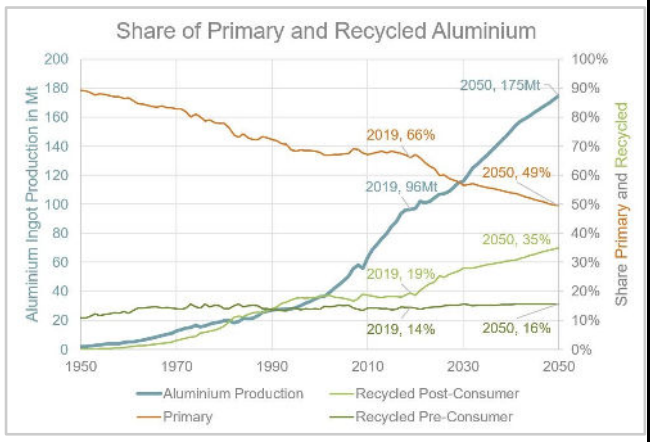
15/2/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram 💡 DID YOU KNOW? In 2019, the aluminium industry produced 33 million tonnes of recycled aluminium. Regional recycling production as a share of total production range from 8 to 100%, depending on the availability of scrap and primary smelter location. Post-consumer scrap made up a significant share of total recycling in all regions. To find out more, visit our material flow analysis portal → http://ow.ly/VeLl50DzZqn	
22/02/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram 💡DID YOU KNOW? Post consumer aluminium scrap is expected to triple by 2050. While in 2019, 23% of scrap originated from motor blocks, in 2050, the single most dominant scrap type will be from building and construction waste. Visit our material flow data hub, Alucycle → http://ow.ly/lK5h50DG3jz #recyclingmatters #metals #aluminium #circularity	

01/3/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram Due to its unique properties (lightweight, formability, conductivity, durability, protectiveness and outstanding recycling performance), aluminium is valued across many markets. Did you know that in 2019, the aluminium industry sold 95 million tonnes of semis to part-manufacturers worldwide? That is 65% more than in 2008. #metals #aluminium	
08/3/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram Aluminium can be recycled over and over without loss of properties. Today 35% of all available aluminium scrap is used for products such as aluminium cans, automotive sheet and cladding for buildings. About 20% is used for windows, curtain walls and other extrusion products. By increasing alloy sorting today these rates could rise to 50% and 26% for rolling and extrusion respectively. Find out more ➡ http://ow.ly/SmA550DNCaz #metals #alloys #aluminium #recycling	

15/3/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram 💡DID YOU KNOW? In 2020, about 100 million tonnes of aluminium (primary and recycled from post- and pre-consumer scrap) were produced globally. Half of that (50%) came from China. The unique combination of solid primary aluminium statistics collected at plant level and material flow modelling enables the IAI to publish a long-term historical dataset for the industry. Visit our data hub, Alucycle, ➡ http://ow.ly/hUxW50DYz3r	
22/3/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram 💡DID YOU KNOW? The International Aluminium Institute has been using material flow analysis and tracking #aluminium throughout its life cycle from mining to use and #recycling for 15 years? Without this tool, the Aluminium Sector Greenhouse Gas Pathways to 2050 work would have been impossible. In 2004, Ken Martchek and Paul Bruggink from Alcoa understood the value of the tool and remarked: “The model is work in progress, which is helping the aluminium industry define and identify opportunities to become a truly sustainable industry.” "I am proud to continue to support this journey," – Marlen Find out more about the model >> https://bit.ly/3eZolUR	

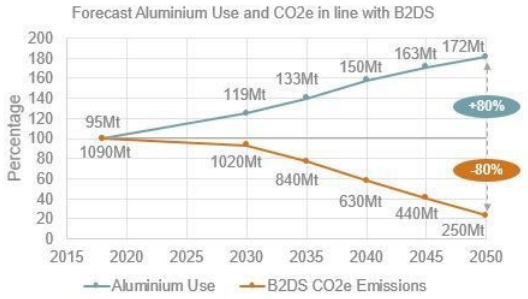
	#sustainability #circulareconomy #climatechange #environment #mining #innovation #sustainabledevelopment #energy	
29/03/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram 💡DID YOU KNOW? 1.5 billion tonnes of aluminium has been produced since 1888. As of 2019, 75% of all the aluminium ever produced is still in productive use. This means 1.1 billion tonnes is still in productive use - 750 million in first life and 370 million recycled and reused. Here is a detailed breakdown 👇 #WeAreAluminium #sustainability #recyce #circulareconomy	

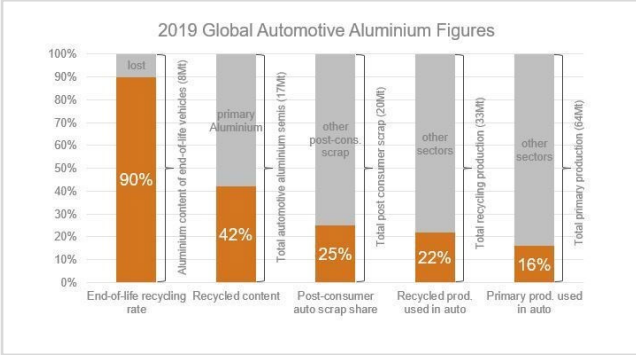
05/4/21	ICYMI Monday Stats Post brought to you by Marlen Bertram In 2019, the #aluminium industry produced 33 million tonnes of #recycled aluminium? Of this number, 61% came from end-of-life products such as used aluminium cans, end-of-life vehicles and old window frames. Visit our Material Flow data centre, Alucycle, to find out more >> https://bit.ly/3pzDwGR	
12/4/21	Monday Stats Post brought to you by Marlen Bertram. 💡 DID YOU KNOW? In 2019, about 20 million tonnes of post-consumer aluminium scrap were available for recycling from vehicles (32%), packaging (27%), buildings (16%) and other end-of-life products (25%). #MondayStatsPost	

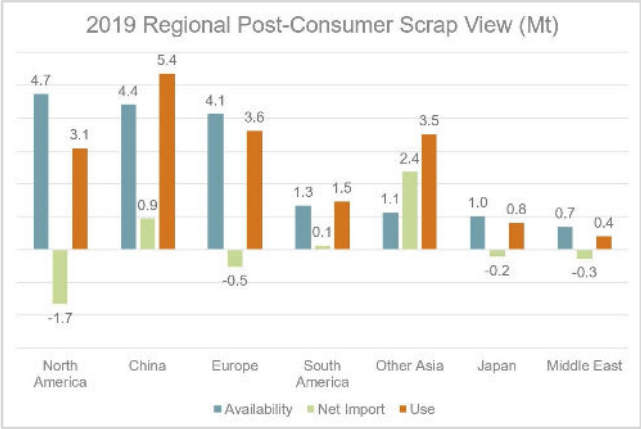
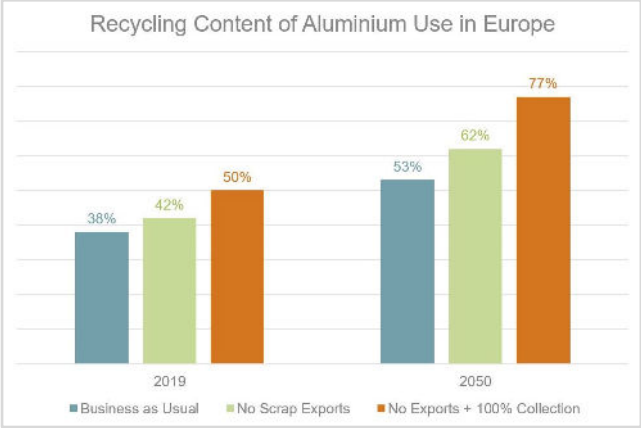
19/4/21	Monday Stats Post brought to you by Marlen Bertram 💡 DID YOU KNOW? In 2019, the true global recycling rate (including collection, scrap processing and remelting) for aluminium contained in end-of-life products was 69%, ranging from 47% for packaging (including foil) to 83% for building and construction. Once collected, losses during scrap processing and remelting are small in all applications, making aluminium the perfect material for circular economy. Are there any statistics that you'd like to see in our Monday Stats Post? let us know in the comments below	
20/4/21	Monday Stats Post brought to you by Marlen Bertram In 2019, close to 20% of total ingot was produced from post-consumer scrap. By 2050 this share is forecast to grow 35%. Notes: 👉Recycled aluminium produced from post-consumer and pre-consumer scrap 👉Pre-consumer scrap excludes scrap from rolling mills, extruders and internal foundry scrap 👉Aluminium production includes all aluminium production forms (liquid, billets, slabs, ingots) 👉Aluminium production does not include alloying elements added to the cast house	

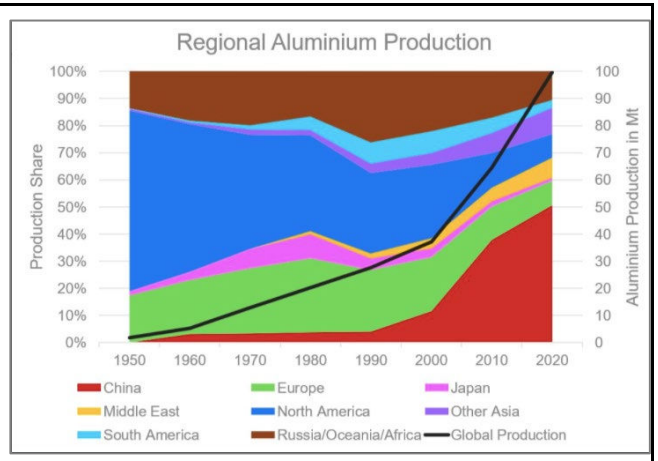
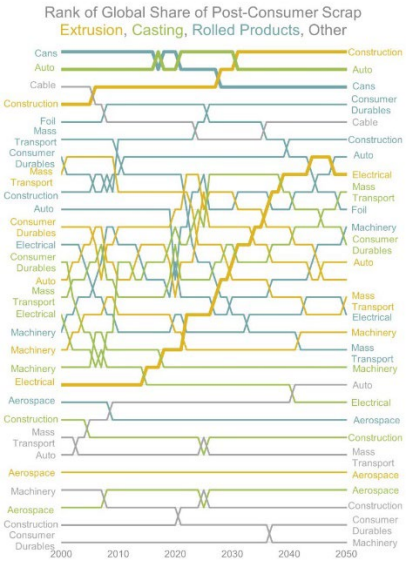
	☞Alloying elements included in the scrap are counted	
10/5/21	Monday Stats Post brought to you by Marlen Bertram In 2018, global recycled content was as follows: ☞ 17% for extrusions ☞ 33% for rolled products and ☞51% for castings About six million tonnes of wrought scrap (four million tonnes rolled and two million tonnes extrusion) ended up in castings. With growing post-consumer scrap availability and flattening demand for casting products, alloy sorting will be essential for the future. #recyling #scrap #metals #aluminium #aluminum	
17/5/21	Monday Stats Post brought to you by Marlen Bertram Did You Know? In 2019 the aluminium industry reached a Recycling Efficiency Rate (RER) close to 80%. Please note: ☞Scrap included post- and pre-consumer scrap. Pre-consumer scrap from rolling mills, extruders and internal foundry scrap is not included.	

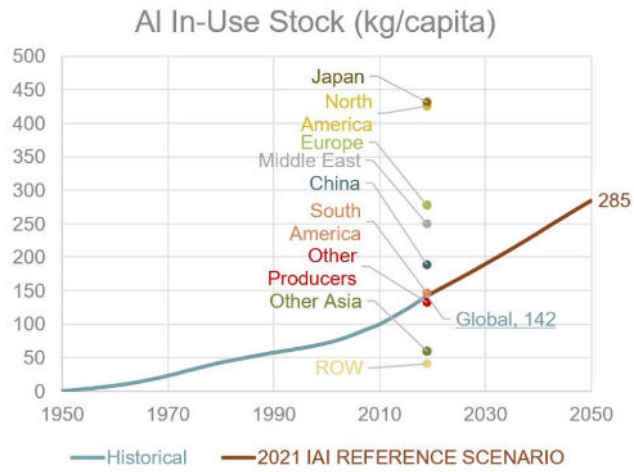
Global	Total	Rolling					Extrusion	Casting	Other
		Total	Packaging	Building	Transport	Other	Total	Total	Total
Scrap Available (kt)	41,666	20,913	11,672	1,150	2,643	5,249	9,615	8,891	2,246
Recycled Al from Available Scrap (kt)	32,710	15,145	7,253	1,008	2,486	4,398	8,274	7,462	1,828
RER (%)	79%	72%	62%	88%	87%	84%	86%	84%	81%

	☞The Recycling Efficiency Rate = Recycled aluminium produced from pre- and post consumer as a percentage of aluminium available from pre- and post-consumer scrap sources. ☞All losses during collection, processing and remelting are included. Alloying elements added to the remelted aluminium are not included. Interested in regional data? Please leave a comment and we will publish data from our nine regions. #recycling #aluminium #scrap	
24/5/21	Monday Stats Post brought to you by Marlen Bertram Did You Know? Emissions reductions for the aluminium industry, in line with the International Energy Agency's Beyond 2 Degree Scenario, will require the sector to reduce global greenhouse gas emissions by about 80%, while demand for aluminium products is also predicted to grow by 80%. Simultaneously reducing emissions while meeting increasing demand will require huge investment in production technologies and recycling, along with commitment from all along the value chain. Read this and more in our GHG Pathways report ⮕ http://ow.ly/UgHk50ETmJX	

31/5/21	Monday Stats Post brought to you by Marlen Bertram In 2019, 17 million tonnes of aluminium were shipped to the automotive industry globally - rolled products (3.2Mt), extrusions (2.0Mt), castings (11.2MT) and forgings (0.5Mt) . It is estimated that about 16% of global primary and 22% of recycled aluminium went into automotive applications. Automotive aluminium has the second highest end-of-life recycling rate after building products and represents the largest scrap source by finished product. Notes: 👉End-of-Life Recycling Rate: includes collection, processing and melting losses for aluminium from end-of-life vehicles 👉Recycled Content: recycled aluminium contained in semis finished products for automotive applications 👉Post-Consumer Auto Scrap Share: post-consumer scrap from automotive applications / post-consumer scrap from all applications 👉Recycling Production Used in Auto: recycled aluminium used in automotive semis products / global recycling production 👉Primary Production Used in Auto: primary aluminium used in automotive semis products / global primary production	

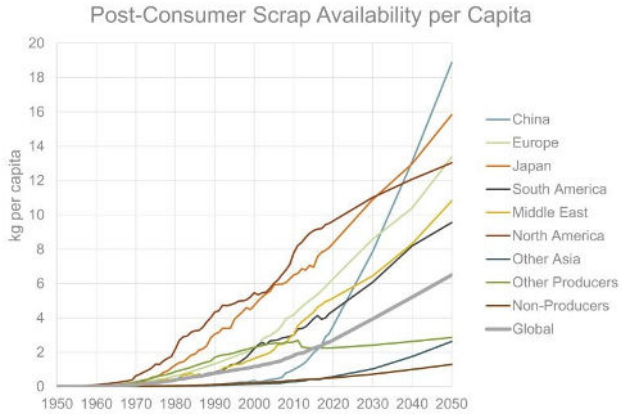
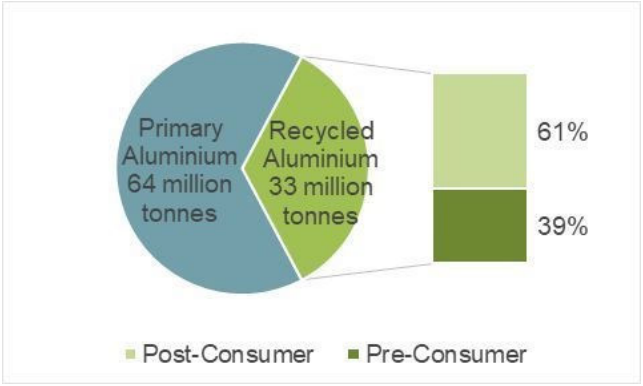
07/6/21	Monday Stats Post brought to you by Marlen Bertram In 2019, North America had the highest post-consumer scrap availability with 4.7 million tonnes followed by China (4.4Mt) and Europe (4.1Mt). China had the highest scrap use with 5.4 million tonnes in the same year followed by Europe (3.6Mt) and Other Asia (3.5Mt). #IAIMondayStats #Aluminium	
14/6/21	Monday Stats Post brought to you by Marlen Bertram In 2019, the #recycled content of aluminium used in Europe (15Mt) was 38%. Eliminating scrap exports and collecting all end-of-life products would increase this rate to 77% by 2050, while growing #aluminium demand to 20Mt at the same time.	

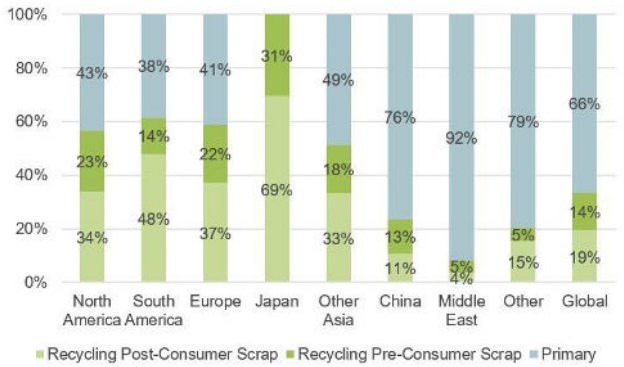
21/6/21	Monday Stats Post brought to you by Marlen Bertram Global #aluminium production (recycled and primary), reached close to 100 Mt in 2020. Today, #China's share is 50%, from 4% (1990), 12% (2000) and 38% (2010).	
28/6/21	Monday Stats Post by Marlen Bertram Automotive castings from end-of-life vehicles and #aluminium beverage cans continue to be one of the largest scrap sources up to 2050. By 2030 extrusion scrap from building and #construction waste will be the single largest #scrap source. Extrusion scrap from electrical equipment shows the biggest growth - from 18th in the rankings in 2000 to 9th by 2050	

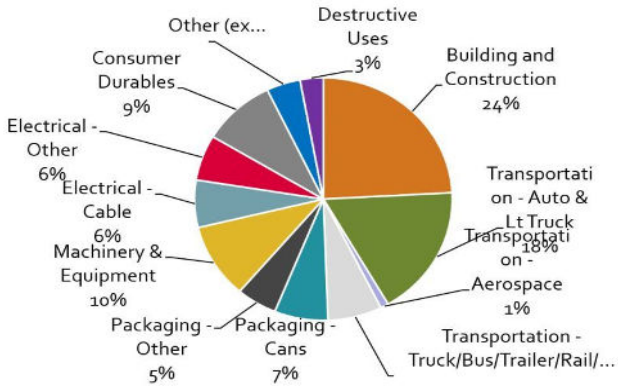
5/7/21	Monday Stats Post brought to you by Marlen Bertram 142kg of aluminium (per capita) is contained in our buildings, cars, trains, computers, wires and other applications. This average ranges from 430kg in the USA and Japan to 60kg in other Asia. Based on IAI's analysis, the #aluminium stock is estimated to grow to 285kg.	

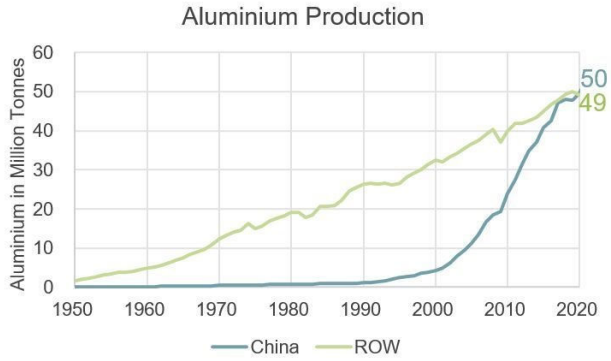
12/7/21	Monday Stats Post by Marlen Bertram Automotive castings from end-of-life vehicles and #aluminum beverage cans continue to be one of the largest #scrap sources up to 2050. By 2050, #extrusion scrap from building and construction waste will be the single largest scrap source (14 Mt) - double the amount of total post-consumer scrap generation in 2000 (7Mt).	**Global Post-Consumer Scrap Availability by Alloy and Source in 1000 tonnes** (smaller categories not included)

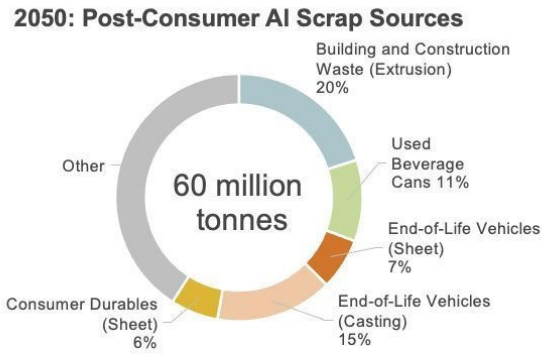
Alloy	Source	2000	2019	2050
Rolling	Construction	197	670	2,493
	Auto	141	434	2,473
	Aerospace	29	70	219
	Mass Transport	267	488	904
	Cans (rigid and semi-rigid items)	**1,973**	**4,067**	**7,519**
	Foil (flexible items)	291	1,272	1,915
	Machinery	105	341	1,815
	Electrical	121	274	1,414
	Consumer Durables	257	768	4,309
Extrusion	**Construction**	373	2,488	**13,832**
	Auto	112	383	1,662
	Aerospace	11	30	95
	Mass Transport	251	480	1,423
	Machinery	101	277	1,033
	Electrical	77	246	2,303
	Consumer Durables	138	422	1,516
Casting	Construction	23	60	156
	Auto	**1,329**	**4,065**	**8,129**
	Aerospace	3	11	33
	Mass Transport	110	344	2,013
	Machinery	93	223	702
	Electrical	106	184	335
	Consumer Durables	119	383	1,800
Other	Construction	3	7	13
	Auto	17	105	537
	Mass Transport	22	43	116
	Machinery	4	7	6
	Cable	433	1,024	2,857
	Consumer Durables	2	4	9
Total	Total	7000	20.000	64,000

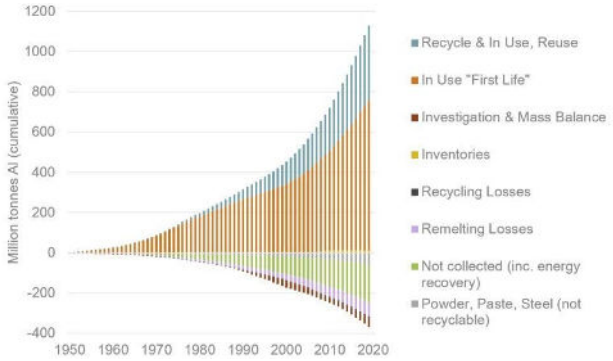
19/7/21	Monday Stats Post by Marlen Bertram Global post-consumer aluminium #scrap availability is forecast to grow from 3kg per capita to 7kg. China's post-consumer scrap generation today as a global average (3kg/capita) is expected to see the biggest growth (19kg/capita).	
26/7/21	Repost Monday Stats Post brought to you by Marlen Bertram Did you know that In 2019, the aluminium industry produced 33 million tonnes of recycled aluminium? Of this number, 61% came from end-of-life products such as used aluminium cans, end-of-life vehicles and old window frames. Visit our Material Flow data centre, Alucycle, to find out more >> https://bit.ly/3pzDwGR	

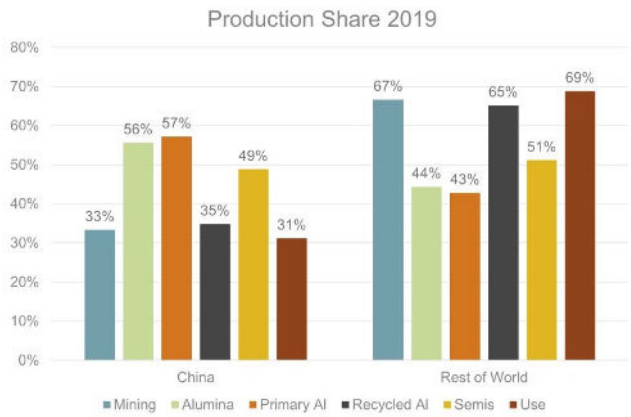
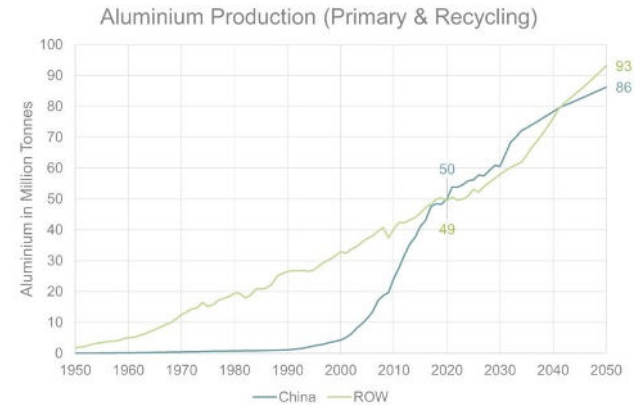
2/8/21	Repost Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram 💡 DID YOU KNOW ? In 2019, the aluminium industry produced 33 million tonnes of recycled aluminium. Regional recycling production as a share of total production range from 8 to 100%, depending on the availability of scrap and primary smelter location. Post-consumer scrap made up a significant share of total recycling in all regions. To find out more, visit our material flow analysis portal ➡️http://ow.ly/VeLl50DzZqn	

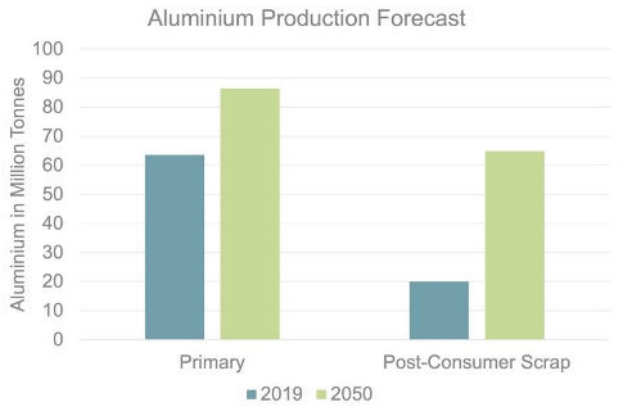
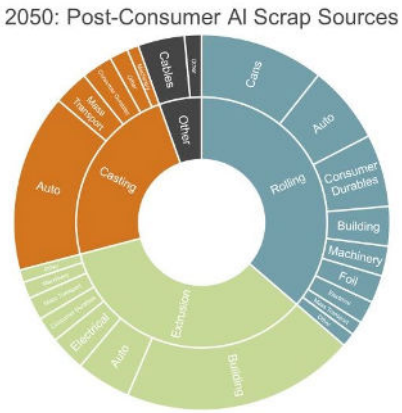
9/8/21	Repost Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram Due to its unique properties (lightweight, formability, conductivity, durability, protectiveness and outstanding recycling performance), aluminium is valued across many markets. Did you know that in 2019, the aluminium industry sold 95 million tonnes of semis to part-manufacturers worldwide? That is 65% more than in 2008.	

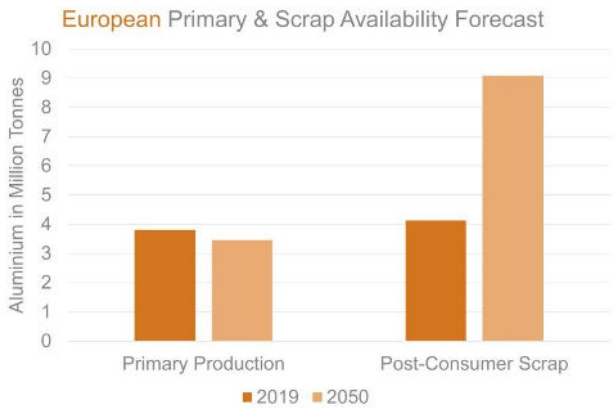
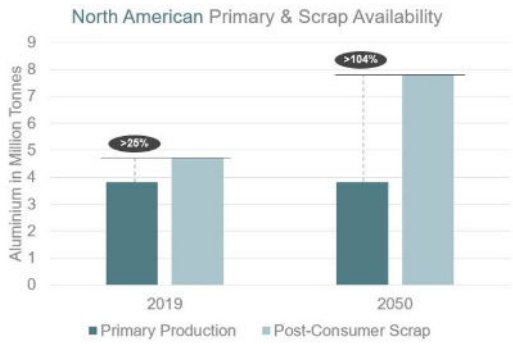
16/8/21	Repost Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram 💡DID YOU KNOW? In 2020, about 100 million tonnes of aluminium (primary and recycled from post- and pre-consumer scrap) were produced globally. Half of that (50%) came from China. The unique combination of solid primary aluminium statistics collected at plant level and material flow modelling enables the IAI to publish a long-term historical dataset for the industry. Visit our data hub, Alucycle, ➡http://ow.ly/hUxW50DYz3r	

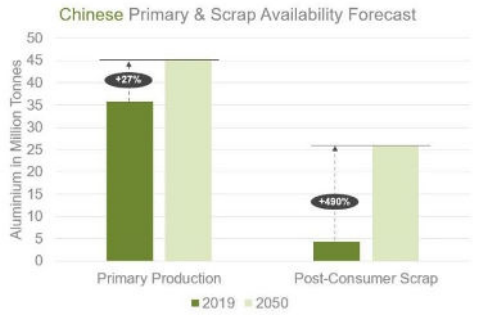
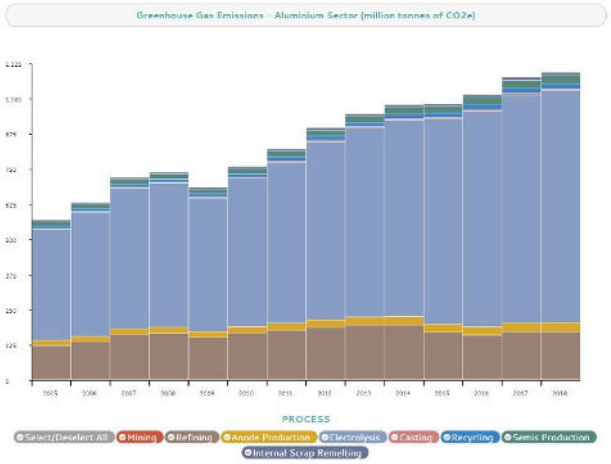
23/8/21	Repost Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram Bertram 💡DID YOU KNOW? Post consumer aluminium scrap is expected to triple by 2050. While in 2019, 23% of scrap originated from motor blocks, in 2050, the single most dominant scrap type will be from building and construction waste. Visit our material flow data hub, Alucycle ➡ http://ow.ly/lK5h50DG3jz #recyclingmatters #metals #aluminium #circularity	

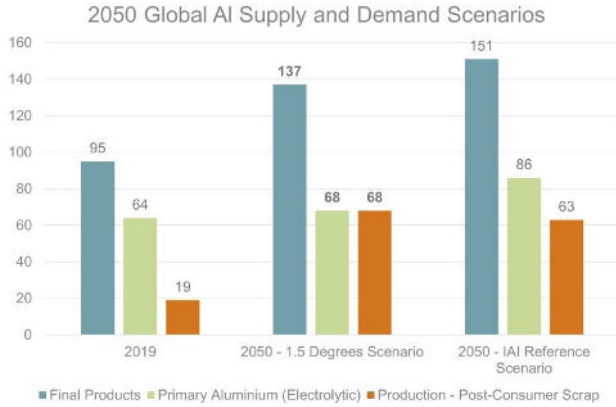
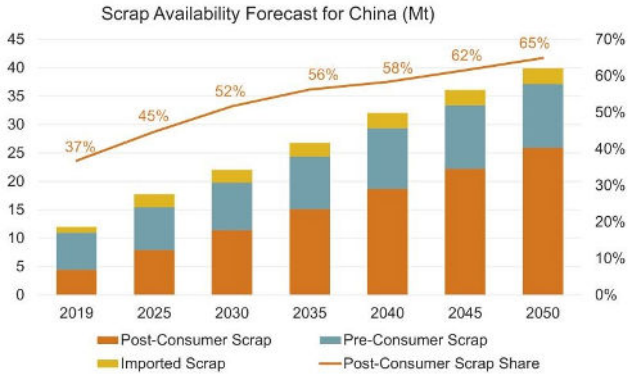
30/8/21	Repost Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram 💡DID YOU KNOW? 1.5 billion tonnes of aluminium has been produced since 1888. As of 2019, 75% of all the aluminium ever produced is still in productive use. This means 1.1 billion tonnes is still in productive use - 750 million in first life and 370 million recycled and reused. Here is a detailed breakdown 👇 #WeAreAluminium #sustainability #recyce #circulareconomy	

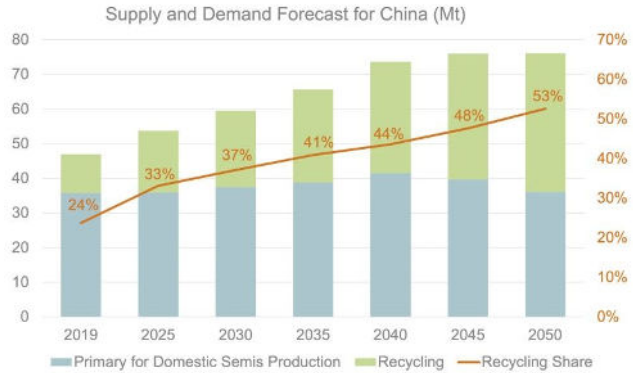
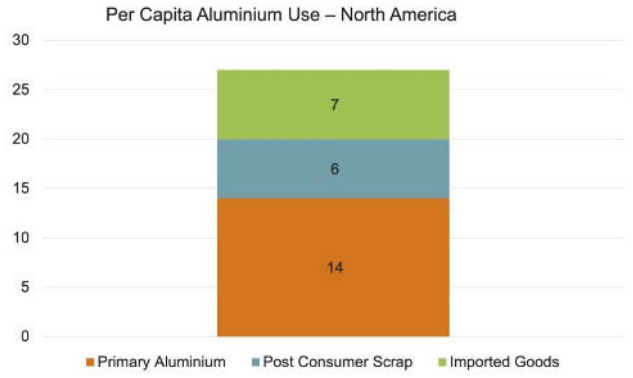
6/9/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram Bertram 💡DID YOU KNOW? In 2019, China produced 57% of global primary aluminium and 56% of alumina. 49% of rolled products, extrusions and castings are fabricated in China. The rest of world dominated final product demand (69%), mining (67%) and recycling (65%).	
13/9/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram In 2020, about 100Mt of #aluminium (primary and recycled from post and pre-consumer scrap) were produced globally. Half of that (50%) came from China.	

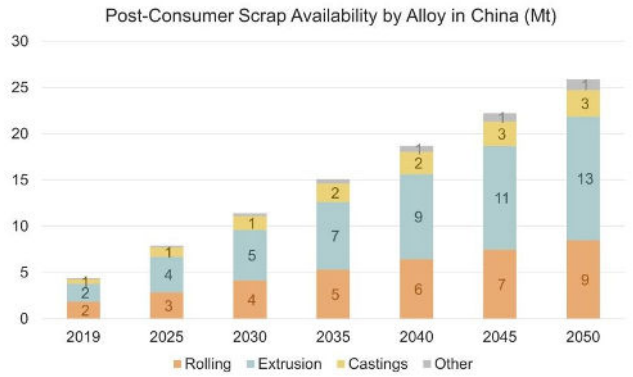
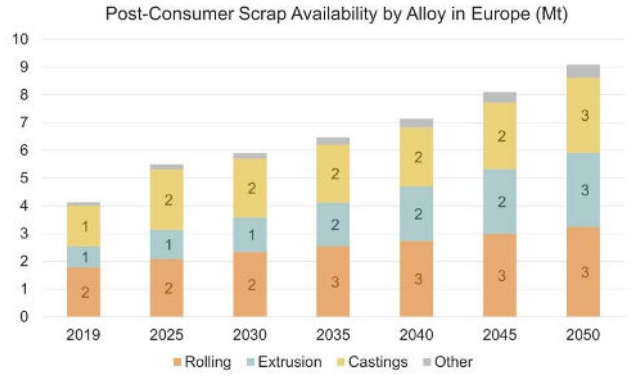
20/9/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram By 2050, we forecast that recycling from post-consumer scrap will exceed today's primary production levels and rise to 65Mt. The share of post-consumer #scrap will rise from 24% to 43% in the same timeframe. Data is based on 2021 IAI REFERENCE SCENARIO	
27/9/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram Post consumer aluminium scrap availability will increase from 20Mt today to 60Mt by 2050. The largest scrap source will be extrusion scrap from building and construction waste (12Mt).	

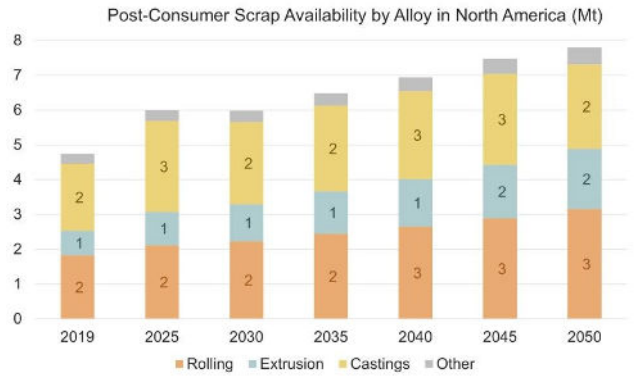
4/10/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram In Europe, the post-consumer scrap available is equal to domestic primary production today. By 2050, we forecast post-consumer #scrap to increase by 120%, while primary production is estimated to stay at same levels as today. Data is based on 2021 IAI REFERENCE SCENARIO	
11/10/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram In 2019, North American post-consumer scrap surpassed primary production by 25%. By 2050 this difference is forecasted to grow to over 100%. Data is based on 2021 IAI REFERENCE SCENARIO available on Alucycle → http://ow.ly/EZK950GoaAZ	

18/10/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram While China's post-consumer #scrap is expected to quintuple by 2050, primary production will continue to be the major source of #aluminium. Data is based on 2021 IAI REFERENCE SCENARIO available on Alucycle ➡ http://ow.ly/DxbZ50GsLfR	
25/10/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram The IAI now publishes GHG emissions for the aluminium sector (including primary, recycling, semis and internal remelting) on an annual basis. The scope includes full life cycle (cradle-to-gate) greenhouse gas emissions (as CO2e), all processes, all sources (including ancillary materials and transport) and global coverage. Find out more at ▶ http://ow.ly/EYeF50GwZt	

1/11/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram The IAI has published a 1.5 Material Flow Scenario to complement its previous 3 scenarios. In this Scenario, by 2050, almost no #aluminium is lost to landfills or incinerators due to better collection systems, lifetimes are increased, and demand is in line with a #net-zero society. There is more about our 1.5 Degrees Scenario here ↓ http://ow.ly/XeF150Gyz3w	
8/11/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram According to the '2021 IAI REFERENCE SCENARIO', #China's scrap will increase from 11Mt in 2019 to 40Mt by 2050. 65% of the available #scrap by 2050 will be post-consumer scrap - It is 37% today.	

15/11/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram According to the 2021 IAI REFERENCE SCENARIO, China will increase it #recycling from 11Mt in 2019 to 40Mt by 2050. The country will stay below its capacity cap of 45Mt per year for primary #aluminium to supply its domestic semis demand. Note: Recycling refers to the production of aluminium from post-consumer scrap and pre-consumer scrap generated during the production of final aluminium products from semis.	
22/11/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram In 2019, the average North American purchased 27kg of products containing aluminium. This is 2.6 time higher than the global average. About 6kg of this consumption came from recycled products.	

29/11/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram Today, 5Mt of post-consumer scrap is available in China. According to the '2021 IAI REFERENCE SCENARIO', by 2050 this number will increase sixfold. The biggest scrap source will be extrusion (13Mt), followed by rolled scrap (9Mt)	
6/12/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram Today, Europe has 4Mt of post-consumer scrap. 40% of this is from rolled products. According to the '2021 IAI REFERENCE SCENARIO', by 2050 this number will more than double. The scrap source will be about 1/3 rolled products, 1/3 extrusions and 1/3 castings.	

20/12/21	Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram Today, North America has 4.7Mt of post-consumer #scrap - 1.8Mt of this is from rolled products and 1.9Mt from #castings. According to the '2021 IAI REFERENCE SCENARIO', by 2050 this will increase to 7.8Mt. About 1.7Mt old scrap are exported.	
27/12/21	REPOST Monday Stats Post brought to you by IAI's Director – Scenarios & Forecasts, Marlen Bertram By 2050, we forecast that recycling from post-consumer scrap will exceed today's primary production levels and rise to 65Mt. The share of post-consumer #scrap will rise from 24% to 43% in the same timeframe. Data is based on 2021 IAI REFERENCE SCENARIO