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### A Database of Circular Economy Policies and Projects: Europe (A) and initial exploration worldwide (B)

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**A Database of Circular Economy Policies and Projects: Europe (A) and initial exploration worldwide (B)**

May 2018

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## Categories addressed in the excel document and the shortcut table below:

- CAT 1) Urban Area/District/Neighbourhood Development (investigated for A only)
- CAT 2) City or City-Region Policy Framework
- CAT 3) Regional/State Policy Frameworks
- CAT 4) National Policy Frameworks and other initiatives (e.g. programmes, partnerships, competitions)
- CAT 5) International Frameworks/Cooperation: policy packages, partnerships and projects (A only)
- CAT 5a) Interurban Cooperation
- CAT 5b) Interregional Cooperation
- CAT 5c) Countries/International Cooperation
- CAT 6) Isolated building/structures/monuments (A only)
- CAT 7) Other Policy Papers/Documents/Studies (A only)
- CAT 8) Other Policy Papers/Documents/Studies and Partnerships not directly tackling Circular Economy (A only)

## General Remarks on Research Results:

- ‘Circular city/economy’ is increasingly adopted as an aspirational concept by cities and countries on various scales, devising strategies and/or action plans. In some instances, we may ask whether this is done in a way to introduce a ‘buzzword’ into policy documents not mainly engaged with circular economy. We see that the ambiguous understandings and mixing with other concepts of urban sustainability lead to very different foci and implementation strategies, thus hampering interurban comparison of respective stances on proclaimed routes to becoming ‘circular cities’. This occurs particularly in the case of ‘green cities’, with a stronger focus on climate protection, but also ‘smart cities’ and sometimes ‘sharing cities’.
- The initiators of these documents are often driven by business opportunities, not only locally, but especially for capital and/or ‘global’ cities, with the prospect of enlarging international competitiveness; cities thus often involve (major) companies in strategic planning processes, also in order to ensure their commitment for policy implementation. Within the projects analysed, private corporations in the sectors of chemicals, resources, waste and eco-development seem to be awarded an influential position, and devise policies and funding programmes to propel innovation.
- Projects analysed often focus on ‘Zero Waste’-like goals. The term, apart from its usage in some European countries, seems to be particularly popular in the US. These ideas mainly aim to prevent waste on the one hand and increase recycling rates on the other, the latter mostly through technological innovation on the micro-scale. A sound comparison of recycling rates in the EU is currently complicated by the fact that member states still employ different measures for recycling rates (input- vs. output-based approach), which the Commission plans to harmonize, prospectively by stipulating an output-based approach on from 2020.

## Methodological Remarks:

Although the investigation on European circular economy policies is more comprehensive than the initial worldwide exploration, it does not claim to be exhaustive. The snowball sampling approach and having consulted relevant networks and platforms should however ensure that the presently most active cities and countries are included in the tables. **Due to the author's**



**affiliation with a Dutch university and familiarity with Dutch circular economy policies and projects, the goal of this research particularly was to gain knowledge on developments outside of the Netherlands, which are therefore not featured in this study.**

Lastly, the differences in detailed elaboration of the cases do not necessarily reflect greater or lesser circular economy activity and/or progressiveness, but are also rooted in the availability of information in English, Spanish, French or German (the languages at disposal by the research team).



A. European Circular Economy Policies and Projects

Name/Description	City (Country)	Link1	Link2	Link3	Additional material/information
<b>CAT 1) Urban Area/District/Neighbourhood Development</b> (alphabetical order: first country, second city)					
<b>Ghent Old Dockyards regeneration project</b>	Ghent (BE)	<a href="http://eurocities2017.eu/files/uploads/files/Ghent_Circular%20economy%20case%20study(1).pdf">http://eurocities2017.eu/files/uploads/files/Ghent_Circular%20economy%20case%20study(1).pdf</a>			
<b>Construction of 40 new residences for youth with disabilities</b> (2005)	Odense (DK); district Seden Syd	<a href="https://www.ellenmacarthurfoundation.org/case-studies/denmark-public-procurement-as-a-circular-economy-enabler">https://www.ellenmacarthurfoundation.org/case-studies/denmark-public-procurement-as-a-circular-economy-enabler</a>	<a href="http://www.ansvarligeindkob.dk/cases/miljoeffektivt-byggeri-i-odense-kommune-2/">http://www.ansvarligeindkob.dk/cases/miljoeffektivt-byggeri-i-odense-kommune-2/</a>		both sources are in Danish
<b>Kalundborg Symbiosis</b> (started in 1972)	Kalundborg (DK)	<a href="http://www.symbiosis.dk/en/">http://www.symbiosis.dk/en/</a>	<a href="https://kenniskaarten.hetgroenebrein.nl/en/knowledge-map-circular-economy/among-cities-regions-and-countries/">https://kenniskaarten.hetgroenebrein.nl/en/knowledge-map-circular-economy/among-cities-regions-and-countries/</a>		
<b>Tyseley Environmental Enterprise District (TEED)</b> (launched 2012)	Birmingham (England/U K)	<a href="https://www.birmingham.gov.uk/info/20054/planning-strategies-and-policies/70/local-development-orders/5">https://www.birmingham.gov.uk/info/20054/planning-strategies-and-policies/70/local-development-orders/5</a>	<a href="https://www.birmingham.ac.uk/partners/conferences-and-events/events-calendar/items/Tyseley-Environmental-Enterprise-District-Information-Exchange-Event.aspx">https://www.birmingham.ac.uk/partners/conferences-and-events/events-calendar/items/Tyseley-Environmental-Enterprise-District-Information-Exchange-Event.aspx</a>		
<b>SevernNet circular economy plan</b> (one of the few CE references in the Bristol Resilience Strategy, see CAT2)	Bristol (England/U K)	<a href="https://www.bristol.gov.uk/documents/20182/1308373/Bristol+Resilience+Strategy/31a768fc-2e9e-4e6c-83ed-5602421bb3e3">https://www.bristol.gov.uk/documents/20182/1308373/Bristol+Resilience+Strategy/31a768fc-2e9e-4e6c-83ed-5602421bb3e3</a>			
<b>Old Oak and Park Royal regeneration project</b> (opportunity area set out in the London Plan and addressed as such in the London CE Routemap 2017; furthermore scoping study commissioned by ARUP)	London (England/U K)	<a href="https://www.arup.com/projects/old-oak-and-park-royal-circular-economy-study">https://www.arup.com/projects/old-oak-and-park-royal-circular-economy-study</a>	<a href="https://www.lwarb.gov.uk/what-we-do/circular-london/circular-economy-route-map/">https://www.lwarb.gov.uk/what-we-do/circular-london/circular-economy-route-map/</a>		
<b>Kera Co-Op City</b> (Kera Challenge Winner of the Nordic Built Cities Challenge 2016, challenge: 2015-16; site redevelopment: 2018-2028/38)	Espoo (FI)	<a href="https://www.helsinki.fi/portfoolio-items/and-industrial-area-turns-into-a-liveable-circular-economy-neighbourhood/">https://www.helsinki.fi/portfoolio-items/and-industrial-area-turns-into-a-liveable-circular-economy-neighbourhood/</a>	<a href="http://nordicbuiltcities.org/thechallenge/#">http://nordicbuiltcities.org/thechallenge/#</a>	<a href="http://uusi.kera.fi/wp-content/uploads/2016/06/CO-OP-CITY-Illustrations.pdf">http://uusi.kera.fi/wp-content/uploads/2016/06/CO-OP-CITY-Illustrations.pdf</a>	L3 = Project Presentation (comprehensive with many images and a detailed schedule)
<b>ECO3 business park</b> (started in 2013)	Tampere region, area between the cities of Nokia, Tampere and Ylöjärvi (FI)	<a href="http://www.eco3.fi/en/">http://www.eco3.fi/en/</a>	<a href="http://nws.eurocities.eu/MediaShell/media/cooperation_Tampere.pdf">http://nws.eurocities.eu/MediaShell/media/cooperation_Tampere.pdf</a>		
<b>Industrial Territorial Ecology at the port of Strasbourg</b> (initiated in 2013)	Strasbourg (FR)	<a href="http://eurocities2017.eu/files/uploads/files/Strasbourg_Circular%20economy%20case%20study.pdf">http://eurocities2017.eu/files/uploads/files/Strasbourg_Circular%20economy%20case%20study.pdf</a>			
<b>SymbioCity</b> (started in 2008)	Stockholm (S)	<a href="https://www.symbiocity.org/en/approach/Cases-undersidor/Hammarby-Sjostad-three-in-one/">https://www.symbiocity.org/en/approach/Cases-undersidor/Hammarby-Sjostad-three-in-one/</a>			



**CAT 2) City or City-Region Policy Framework** (alphabetical order: first country, second city, third date: oldest first)

<p><b>Brussels Regional Programme for the Circular Economy (BRPCE) (2016-2020)</b></p>	<p>Brussels (Region) (BE)</p>	<p><a href="http://www.circulareconomy.brussels/a-propos/le-prec/?lang=en">http://www.circulareconomy.brussels/a-propos/le-prec/?lang=en</a></p>	<p><a href="http://www.eurocities2017.eu/awards/shortlist">http://www.eurocities2017.eu/awards/shortlist</a></p>	<p><a href="http://eurocities2017.eu/files/uploads/files/Brussels_BRPCE_Circular%20economy%20case%20study.pdf">http://eurocities2017.eu/files/uploads/files/Brussels_BRPCE_Circular%20economy%20case%20study.pdf</a></p>
<p><b>Project "Be Circular - Be Brussels" (Circular Call for Projects)</b> (<i>caution: this is also the slogan/headline of the Brussel overall CE website, cf. L1 of BRPCE</i>)</p>	<p>Brussels (BE)</p>	<p><a href="http://www.eurocities2017.eu/awards/shortlist">http://www.eurocities2017.eu/awards/shortlist</a></p>	<p><a href="http://www.circulareconomy.brussels/appels-a-projets-be-circular-entreprises/edition-2016/?lang=en">http://www.circulareconomy.brussels/appels-a-projets-be-circular-entreprises/edition-2016/?lang=en</a></p> <p><a href="http://www.brussels/appels-a-projets-be-circular-entreprises/?lang=en">http://www.brussels/appels-a-projets-be-circular-entreprises/?lang=en</a></p>	<p><a href="http://www.circulareconomy.brussels/appels-a-projets-be-circular-entreprises/edition-2016/?lang=en">http://www.circulareconomy.brussels/appels-a-projets-be-circular-entreprises/edition-2016/?lang=en</a></p>
<p><b>"Copenhagen Model"</b> (<i>this expression is based on the interview source of Eurocities L1</i>); one of the four European members of the EMF's Circular Cities Network; furthermore involved in FORCE project together with Hamburg, Lisbon and Genoa (see CAT 5a)</p>	<p>Copenhagen (DK)</p>	<p><a href="http://www.eurocities.eu/eurocities/news/Circular-cities-the-Copenhagen-model-WSPO-ASEGN9">http://www.eurocities.eu/eurocities/news/Circular-cities-the-Copenhagen-model-WSPO-ASEGN9</a></p>	<p><a href="http://mutopia.dk/projects/urban/copenhagen-circle-city/">http://mutopia.dk/projects/urban/copenhagen-circle-city/</a></p>	
<p><b>Bristol Resilience Strategy</b> (n.d.)</p>	<p>Bristol (England/U K)</p>	<p><a href="https://www.bristol.gov.uk/policies-plans-strategies/bristol-resilience-strategy">https://www.bristol.gov.uk/policies-plans-strategies/bristol-resilience-strategy</a></p>	<p><a href="https://www.bristol.gov.uk/documents/20182/1308373/Bristol+Resilience+Strategy/31a768fc-2e9e-4e6c-83ed-5602421bb3e3">https://www.bristol.gov.uk/documents/20182/1308373/Bristol+Resilience+Strategy/31a768fc-2e9e-4e6c-83ed-5602421bb3e3</a></p>	
<p><b>London Circular Economy Route Map</b> (launched in June 2017); one of the four European members of the EMF's Circular Cities Network</p>	<p>London (England/U K)</p>	<p><a href="https://www.lwarb.gov.uk/what-we-do/circular-london/circular-economy-route-map/">https://www.lwarb.gov.uk/what-we-do/circular-london/circular-economy-route-map/</a></p>	<p><a href="https://www.lwarb.gov.uk/wp-content/uploads/2015/04/LWARB-London's-CE-route-map_16.6.17_a_singlepages_sml.pdf">https://www.lwarb.gov.uk/wp-content/uploads/2015/04/LWARB-London's-CE-route-map_16.6.17_a_singlepages_sml.pdf</a></p>	<p><a href="http://eurocities2017.eu/files/uploads/files/London_Circular%20economy%20case%20study.pdf">http://eurocities2017.eu/files/uploads/files/London_Circular%20economy%20case%20study.pdf</a></p>
<p><b>South London Circular Economy Programme</b></p>	<p>London (England/U K)</p>	<p><a href="https://www.sutton.gov.uk/info/200453/parks_trees_and_open_spaces/1137/environmental_sustainability/7">https://www.sutton.gov.uk/info/200453/parks_trees_and_open_spaces/1137/environmental_sustainability/7</a></p>		
<p><b>Peterborough: Circular Peterborough</b> (since 2016); one of the four European members of the EMF's Circular Cities Network</p>	<p>Peterborough (England/U K)</p>	<p><a href="http://www.futurepeterborough.com/circular-city/">http://www.futurepeterborough.com/circular-city/</a></p>	<p><a href="http://www.circulareconomysummit.com/en/about">http://www.circulareconomysummit.com/en/about</a></p>	<p><a href="http://www.futurepeterborough.com/about/">http://www.futurepeterborough.com/about/</a></p>
<p><b>Barcelona</b> (<i>the city's strong Smart City focus seems to generate a quite technical (digitalized) approach to/ understanding of circularity</i>)</p>	<p>Barcelona (ES)</p>	<p><a href="https://doi.org/10.1016/j.eist.2017.03.002">https://doi.org/10.1016/j.eist.2017.03.002</a></p>		<p>all information sourced from Prendeville et al. (2017), Circular Cities: Mapping Six Cities in Transition (=L1); web search on "Barcelona Circular City/Economy" (in English and Spanish) did not yield any helpful results</p>
<p><b>Ljubljana (various strategies, e.g. Zero Waste Strategy);</b> one of the four European Cities in the EMF Circular Cities Network</p>	<p>Slovenia (SI)</p>	<p><a href="http://www.circularchange.com/slovenia-moving-towards-circular-economy/">http://www.circularchange.com/slovenia-moving-towards-circular-economy/</a></p>	<p><a href="http://www.eurocities.eu/eurocities/all-content/EU-ROCIITIES-2017-Ljubljana-circular-cities-WSPO-AKHBYP">http://www.eurocities.eu/eurocities/all-content/EU-ROCIITIES-2017-Ljubljana-circular-cities-WSPO-AKHBYP</a></p>	<p><a href="http://www.slovenia.si/business/business-features/slovenia-aims-to-become-a-leader-in-the-circular-economy/">http://www.slovenia.si/business/business-features/slovenia-aims-to-become-a-leader-in-the-circular-economy/</a></p>



<p><b>"Reinventing Paris"</b> call for innovative urban projects (launched in November 2014);  <b>"Reinventing Paris II"</b> with a focus on currently unused or under-used city-owned plots (most of which are subterranean) (launched in May 2017) - <i>strong criticism on process and outcomes of this public-led competition (L3)</i></p>	Paris (FR)	<a href="https://api-site.paris.fr/images/77050">https://api-site.paris.fr/images/77050</a>	<a href="http://www.reinventer.paris/en/home/">http://www.reinventer.paris/en/home/</a>	<a href="https://www.citylab.com/design/2017/06/reinvent-paris-2-design-competition-concerns/528933/">https://www.citylab.com/design/2017/06/reinvent-paris-2-design-competition-concerns/528933/</a>	L1 (= Paris White Paper) is on RP1, L2 (more) on RP2
<p><b>Paris: White Paper on the Circular Economy of Greater Paris</b> (September 2015)</p>	Paris (FR)	<a href="https://api-site.paris.fr/images/77050">https://api-site.paris.fr/images/77050</a>			
<p><b>Paris Circular Economy Plan (2017-2020)</b> (adopted at the Paris City Council July 2017)</p>	Paris (FR)	<a href="https://api-site-cdn.paris.fr/images/97397">https://api-site-cdn.paris.fr/images/97397</a>	<a href="http://metabolisme.paris.fr/">http://metabolisme.paris.fr/</a>		L2 is an interactive website to visualize material flows, created in 2014 by the City of Paris' Urban Ecology Agency
<p><b>Oslo: Circular Bio Resources</b></p>	Oslo (NO)	<a href="http://www.eurocities2017.eu/news/circular-inspiration-oslo-circular-bio-resources">http://www.eurocities2017.eu/news/circular-inspiration-oslo-circular-bio-resources</a>	<a href="http://www.eurocities2017.eu/files/uploads/files/Oslo_Circular%20economy%20case%20study.pdf">http://www.eurocities2017.eu/files/uploads/files/Oslo_Circular%20economy%20case%20study.pdf</a>	<a href="http://gln-on-sp.org/cities/oslo/">http://gln-on-sp.org/cities/oslo/</a>	
<p><b>Glasgow: various strategies/approaches</b></p>	Glasgow (Scotland/UK)	<a href="https://doi.org/10.1016/j.eist.2017.03.002">https://doi.org/10.1016/j.eist.2017.03.002</a>			source (L1) = paper by Prendeville et al. (2017), Circular Cities: Mapping Six Cities in Transition

**CAT 3) Regional/State Policy Frameworks**

<p><b>Flanders Materials Programme (FMP)</b> (founded in 2011 (L2), launched in 2012 (L3))</p>	Belgium (BE)	<a href="http://vlaamsmaterialenprogramma.be/fmp">http://vlaamsmaterialenprogramma.be/fmp</a>	<a href="https://www.ellenmacarthurfoundation.org/case-studies/belgium-flanders-materials-programme">https://www.ellenmacarthurfoundation.org/case-studies/belgium-flanders-materials-programme</a>	<a href="http://vlaamsmaterialenprogramma.be/over-ons">http://vlaamsmaterialenprogramma.be/over-ons</a>	L3 in Flemish
<p><b>Catalonia:</b> Various approaches towards implementing CE measures</p>	Catalonia (ES)	<a href="https://www.ellenmacarthurfoundation.org/ce100/directory/catalonia-accio">https://www.ellenmacarthurfoundation.org/ce100/directory/catalonia-accio</a>	<a href="http://catalunya2020.gencat.cat/web/.content/85_catalunya_2020/documents/angles/arxius/07_ris3cat_2014_en.pdf">http://catalunya2020.gencat.cat/web/.content/85_catalunya_2020/documents/angles/arxius/07_ris3cat_2014_en.pdf</a>		L2 = RIS3CAT policy document
<p><b>Basque Region Policy Strategies</b></p>	Basque Region (ES)	<a href="http://urbact.eu/sites/default/files/policy_brief_on_circular_economy.pdf">http://urbact.eu/sites/default/files/policy_brief_on_circular_economy.pdf</a>			
<p><b>Northern France: Textiles Recycling Valley initiative</b> (convention between partners signed in June 2013 for a three-year plan)</p>	Northern France (FR)	<a href="https://www.ellenmacarthurfoundation.org/case-studies/france-collaborative-textiles-recycling-initiative">https://www.ellenmacarthurfoundation.org/case-studies/france-collaborative-textiles-recycling-initiative</a>			
<p><b>German State of North-Rhine Westphalia (NRW)</b> (with a specific focus on the industrial Ruhr Area): overall assessment/overview</p>	NRW (DE)	<a href="http://assets.kienbaum.com/downloads/Potenzialanalyse-Zirkulaere-Wertschoepfung-in-NRW_Kienbaum-EPEA-Studie_2016.pdf?mtime=20161108093017">http://assets.kienbaum.com/downloads/Potenzialanalyse-Zirkulaere-Wertschoepfung-in-NRW_Kienbaum-EPEA-Studie_2016.pdf?mtime=20161108093017</a>	<a href="https://www.kienbaum.com/de/blog/zirkulaere-wertschoepfung-ein-zukunftsmodell-fuer-das-land-nrw">https://www.kienbaum.com/de/blog/zirkulaere-wertschoepfung-ein-zukunftsmodell-fuer-das-land-nrw</a>	<a href="https://www.wiwo.de/technologie/green/circular-economy-in-nrw-cradle-to-cradle-erreicht-die-politik/14504558.html">https://www.wiwo.de/technologie/green/circular-economy-in-nrw-cradle-to-cradle-erreicht-die-politik/14504558.html</a>	L1 = CE NRW potentiality study by EPEA & Kienbaum, in German (Scheelhaase & Zinke, 2016, Potenzialanalyse einer zirkulären Wertschöpfung im Land Nordrhein-Westfalen)



CAT 4) National Policy Frameworks and other initiatives (e.g. programmes, partnerships, competitions)

<p><b>Denmark: Partnership for Green Public Procurement (GPP)</b> (since 2006)</p>	<p>Denmark</p>	<p><a href="http://eng.mst.dk/sustainability/sustainable-consumption-and-production/sustainable-procurement/partnership-for-green-public-procurement/">http://eng.mst.dk/sustainability/sustainable-consumption-and-production/sustainable-procurement/partnership-for-green-public-procurement/</a></p>	<p><a href="https://www.ellenmacarthurfoundation.org/case-studies/denmark-public-procurement-as-a-circular-economy-enabler">https://www.ellenmacarthurfoundation.org/case-studies/denmark-public-procurement-as-a-circular-economy-enabler</a></p>	
<p><b>Denmark Without Waste (2013) and Denmark Without Waste II (2015)</b></p>	<p>Denmark</p>	<p><a href="http://eng.mst.dk/air-noise-waste/waste/">http://eng.mst.dk/air-noise-waste/waste/</a></p>	<p><a href="http://eng.mst.dk/media/mst/Attachments/Ressourcestrategi_UK_web.pdf">http://eng.mst.dk/media/mst/Attachments/Ressourcestrategi_UK_web.pdf</a> <a href="http://eng.mst.dk/media/164923/denmark-without-waste-ii_wasteprevention.pdf">http://eng.mst.dk/media/164923/denmark-without-waste-ii_wasteprevention.pdf</a></p>	<p>L2 = Denmark without Waste; L3 = Denmark without Waste II</p>
<p><b>Denmark: Taskforce for Resource Efficiency</b> (established in 2014)</p>	<p>Denmark</p>	<p><a href="https://groenomstilling.erhvervsstyrelsen.dk/taskforce-oeget-ressourceeffektivitet">https://groenomstilling.erhvervsstyrelsen.dk/taskforce-oeget-ressourceeffektivitet</a></p>	<p><a href="https://www.ellenmacarthurfoundation.org/case-studies/denmark-taskforce-for-resource-efficiency">https://www.ellenmacarthurfoundation.org/case-studies/denmark-taskforce-for-resource-efficiency</a></p>	
<p><b>Recommendations for the Danish Government by the Advisory Board for Circular Economy (2017)</b></p>	<p>Denmark</p>	<p><a href="http://en.mfvmdk/focus-on/circular-economy/">http://en.mfvmdk/focus-on/circular-economy/</a></p>	<p><a href="http://en.mfvmdk/fileadmin/user_upload/MFVM/Miljoe/Cirkulaer_oekonomi/Advisory-Board-for-Circular-Economy-Report-2017-Content_Single_pages_WEB.pdf">http://en.mfvmdk/fileadmin/user_upload/MFVM/Miljoe/Cirkulaer_oekonomi/Advisory-Board-for-Circular-Economy-Report-2017-Content_Single_pages_WEB.pdf</a></p>	
<p><b>France: Law against Food Waste (2016)</b></p>	<p>France</p>	<p><a href="https://www.arup.com/publications/research/section/circular-economy-in-the-built-environment">https://www.arup.com/publications/research/section/circular-economy-in-the-built-environment</a></p>	<p><a href="https://www.theguardian.com/world/2015/may/22/france-to-force-big-supermarkets-to-give-away-unsold-food-to-charity">https://www.theguardian.com/world/2015/may/22/france-to-force-big-supermarkets-to-give-away-unsold-food-to-charity</a></p>	<p>L1= (download link to) ARUP study on "Circular Economy in the Built Environment" (2016)</p>
<p><b>German CE policy state of the art</b> (in general, not specifically regarding cities)</p>	<p>Germany</p>	<p><a href="https://www.iwk.oeln.de/fileadmin/publikationen/2016/289257/IWK-Policy_Paper_2016-09_Circular_Economy.pdf">https://www.iwk.oeln.de/fileadmin/publikationen/2016/289257/IWK-Policy_Paper_2016-09_Circular_Economy.pdf</a></p>	<p><a href="http://library.fes.de/pdf-files/wiso/12576.pdf">http://library.fes.de/pdf-files/wiso/12576.pdf</a> <a href="https://www.omicsonline.org/open-access/key-challenges-for-transformations-towards-a-circular-economy--the-status-quo-in-germany-2252-5211-1000262.php?aid=85297">https://www.omicsonline.org/open-access/key-challenges-for-transformations-towards-a-circular-economy--the-status-quo-in-germany-2252-5211-1000262.php?aid=85297</a></p>	<p>L1 = report by the Cologne Institute for Economic Research in English (Neligan, 2016, Moving towards a Circular Economy Europe between Ambitions and Reality); L2 = report by the German Friedrich-Ebert Foundation in German (Wilts, 2016, Deutschland auf dem Weg in die Kreislaufwirtschaft?); L3 = English paper by Wilts, 2017, Key Challenges for Transformations Towards a Circular Economy – The Status Quo in Germany</p>





<b>German Resource Efficiency Programme (ProgRess) (2012)</b>	Germany	<a href="https://www.bmub.bund.de/fileadmin/Daten_BMU/Pool/Broschueren/progress_broschuere_de_bf.pdf">https://www.bmub.bund.de/fileadmin/Daten_BMU/Pool/Broschueren/progress_broschuere_de_bf.pdf</a>	<a href="http://www.derenergieblog.de/alle-themen/energie/progress-ii-bundeskabinett-beschliesst-deutsches-ressourceneffizienzprogramm/">http://www.derenergieblog.de/alle-themen/energie/progress-ii-bundeskabinett-beschliesst-deutsches-ressourceneffizienzprogramm/</a>	<a href="http://www.derenergieblog.de/alle-themen/energie/progress-ii-bundeskabinett-beschliesst-deutsches-ressourceneffizienzprogramm/">http://www.derenergieblog.de/alle-themen/energie/progress-ii-bundeskabinett-beschliesst-deutsches-ressourceneffizienzprogramm/</a>
<b>German ProgRess II (2016)</b>	Germany	<a href="https://www.bmub.bund.de/publikation/deutsches-ressourceneffizienzprogramm-ii-programm-zur-nachhaltigen-nutzung-und-zum-schutz-der-natur/">https://www.bmub.bund.de/publikation/deutsches-ressourceneffizienzprogramm-ii-programm-zur-nachhaltigen-nutzung-und-zum-schutz-der-natur/</a>	<a href="https://www.ellenmacarthurfoundation.org/case-studies/policy">https://www.ellenmacarthurfoundation.org/case-studies/policy</a>	<a href="http://www.derenergieblog.de/alle-themen/energie/progress-ii-bundeskabinett-beschliesst-deutsches-ressourceneffizienzprogramm/">http://www.derenergieblog.de/alle-themen/energie/progress-ii-bundeskabinett-beschliesst-deutsches-ressourceneffizienzprogramm/</a>
<b>German Packaging Law (VerpackG) (to come into effect January 2019)</b>	Germany	<a href="https://verpackungsgesetz-info.de">https://verpackungsgesetz-info.de</a>	<a href="https://www.bmub.bund.de/pressemitteilung/neues-verpackungsgesetz-passiert-den-bundesrat/">https://www.bmub.bund.de/pressemitteilung/neues-verpackungsgesetz-passiert-den-bundesrat/</a>	
<b>Portugal: Green Growth Commitment (established in 2014)</b>	Portugal	<a href="http://www.crescimntoverde.gov.pt/wp-content/uploads/2014/10/CrescimentoVerde_ing_v_pq_bx.pdf">http://www.crescimntoverde.gov.pt/wp-content/uploads/2014/10/CrescimentoVerde_ing_v_pq_bx.pdf</a>	<a href="https://www.ellenmacarthurfoundation.org/case-studies/portugal-green-growth-commitment">https://www.ellenmacarthurfoundation.org/case-studies/portugal-green-growth-commitment</a>	
<b>Scotland: Zero Waste Plan (2010)</b>	Scotland	<a href="http://www.gov.scot/Topics/Environment/waste-and-pollution/Waste-1/wastestrategy">http://www.gov.scot/Topics/Environment/waste-and-pollution/Waste-1/wastestrategy</a>	<a href="http://www.gov.scot/Resource/0045/00458945.pdf">http://www.gov.scot/Resource/0045/00458945.pdf</a>	
<b>Scotland: Revolve Reuse (Quality) Standard (designed and piloted in 2011)</b>	Scotland	<a href="http://www.zerowastescotland.org.uk/revolve">http://www.zerowastescotland.org.uk/revolve</a>	<a href="https://www.ellenmacarthurfoundation.org/case-studies/scotland-increasing-customer-confidence-in-reused-products">https://www.ellenmacarthurfoundation.org/case-studies/scotland-increasing-customer-confidence-in-reused-products</a>	
<b>Making Things Last - A Circular Economy Strategy for Scotland (launched in 2016)</b>	Scotland	<a href="http://www.gov.scot/Resource/0049/00494471.pdf">http://www.gov.scot/Resource/0049/00494471.pdf</a>	<a href="https://www.ellenmacarthurfoundation.org/case-studies/scotland-making-things-last-a-circular-economy-strategy">https://www.ellenmacarthurfoundation.org/case-studies/scotland-making-things-last-a-circular-economy-strategy</a>	<a href="http://www.gov.scot/Publications/2016/02/1761/17">http://www.gov.scot/Publications/2016/02/1761/17</a>
<b>Spanish Waste Management Plan (2016-2022)</b>	Spain	<a href="http://www.mapama.gob.es/es/calidad-y-evaluacion-ambiental/planes-y-estrategias/pemar-aprobado6noviembrecondae_tcm7-401704.pdf">http://www.mapama.gob.es/es/calidad-y-evaluacion-ambiental/planes-y-estrategias/pemar-aprobado6noviembrecondae_tcm7-401704.pdf</a>	<a href="https://resource.co/article/circular-economy-package-mixed-bag-reuse-10885">https://resource.co/article/circular-economy-package-mixed-bag-reuse-10885</a>	<a href="https://resource.co/article/circular-economy-package-mixed-bag-reuse-10885">https://resource.co/article/circular-economy-package-mixed-bag-reuse-10885</a>



<p><b>Draft Version of the Future Spanish Circular Economy Strategy (España Circular 2030)</b>, published February 2018 for public consultation until March 12 2018</p>	Spain	<a href="http://futureenviro.es/en/ministry-of-agriculture-fisheries-food-and-environment-publishes-draft-of-spanish-circular-economy-strategy/">http://futureenviro.es/en/ministry-of-agriculture-fisheries-food-and-environment-publishes-draft-of-spanish-circular-economy-strategy/</a>	<a href="http://www.mapama.gob.es/es/calidad-y-evaluacion-ambiental-participacion-publica/Residuos-2018-Nota-sobre-proceso-informacion-publica-estrategia-espanola-economia-circular.aspx">http://www.mapama.gob.es/es/calidad-y-evaluacion-ambiental-participacion-publica/Residuos-2018-Nota-sobre-proceso-informacion-publica-estrategia-espanola-economia-circular.aspx</a>	<a href="http://www.mapama.gob.es/es/calidad-y-evaluacion-ambiental-participacion-publica/180206economiacircular_tcm7-479370.pdf">http://www.mapama.gob.es/es/calidad-y-evaluacion-ambiental-participacion-publica/180206economiacircular_tcm7-479370.pdf</a>
<p><b>UK: National Industrial Symbiosis Programme (NISP)</b>, active in the UK between 2003 and 2013, but ongoing world-wide replication/inspiration</p>	UK	<a href="http://library.fes.de/pdf-files/wiso/12576.pdf">http://library.fes.de/pdf-files/wiso/12576.pdf</a>	<a href="http://www.nispnetwork.com">http://www.nispnetwork.com</a>	<a href="http://ec.europa.eu/environment/waste/prevention/pdf/NISP_Factsheet.pdf">http://ec.europa.eu/environment/waste/prevention/pdf/NISP_Factsheet.pdf</a>
<p><b>UK: Courtauld Commitment</b> (Phase 1-3: 2005-2015; further steps currently elaborated)</p>	UK	<a href="http://www.wrap.org.uk/content/what-is-courtauld">http://www.wrap.org.uk/content/what-is-courtauld</a>	<a href="https://www.ellenmacarthurfoundation.org/case-studies/united-kingdom">https://www.ellenmacarthurfoundation.org/case-studies/united-kingdom</a>	<a href="http://www.wrap.org.uk/category/initiatives/courtauld-commitment">http://www.wrap.org.uk/category/initiatives/courtauld-commitment</a>
<p><b>UK: Future Cities Demonstrator Programme/Competition</b> (2012/2013)</p>	UK	<a href="https://innovateuk.blog.gov.uk/2015/10/29/learning-from-future-cities-demonstrators/">https://innovateuk.blog.gov.uk/2015/10/29/learning-from-future-cities-demonstrators/</a>	<a href="https://doi.org/10.1177/042098015597162">https://doi.org/10.1177/042098015597162</a>	<p>L2 = link to Buck &amp; While (2017), Competitive urbanism and the limits to smart city innovation: The UK Future Cities initiative</p>

**CAT 5) International Frameworks/Cooperation: policy packages, partnerships and projects**

**CAT 5a) Interurban Cooperation**

<p><b>FORCE project (EU H2020 funded)</b> (2016-2020)</p>	<p>Copenhagen (lead partner), Hamburg, Lisbon and Genoa (22 partners in total)</p>	<a href="http://www.ce-force.eu/index.php">http://www.ce-force.eu/index.php</a>	<a href="http://www.ce-force.eu/valuchains.php">http://www.ce-force.eu/valuchains.php</a>	<a href="http://www.ce-force.eu/consortium.php">http://www.ce-force.eu/consortium.php</a>	
<p><b>R2π – tRansition from linear 2 circular: Policy and Innovation (EU H2020 funded)</b> (2016-2019); <i>hybrid case ranging between CAT 5a) and 5c), several project partners based in one city or country further also operate (inter)nationally</i></p>	<p>16 partner organisations in 9 countries (EU, Israel), lead partner: Collaborating Centre on Sustainable Consumption and Production (CSCP, DE)</p>	<a href="http://www.r2pi-project.eu">http://www.r2pi-project.eu</a>	<a href="http://www.r2piproject.eu/blog/">http://www.r2piproject.eu/blog/</a>	<a href="http://www.r2piproject.eu/wp-content/uploads/2018/08/R2pi-stakeholders-report-sept-2018.pdf">http://www.r2piproject.eu/wp-content/uploads/2018/08/R2pi-stakeholders-report-sept-2018.pdf</a>	<p>L3 = Stakeholder Views Report on Enablers and Barriers to a Circular Economy (September 2018)</p>



**CAT 5b) Interregional Cooperation** (for other Interreg Europe projects see <https://www.interregeurope.eu/discover-projects/>)

<b>Interreg Europe CircE project (European regions toward Circular Economy) (2017-2021)</b>	8 European partner organisations in 8 countries; lead partner: Lombardy Region (ITA)	<a href="https://www.interregeurope.eu/circ/">https://www.interregeurope.eu/circ/</a>	<a href="https://www.lwarb.gov.uk/what-we-do/circular-london/circe-project/">https://www.lwarb.gov.uk/what-we-do/circular-london/circe-project/</a>
<b>Interreg Europe RETRACE project (A Systemic Approach for Regions Transitioning towards a Circular Economy) (2016-2020)</b>	8 partners in 5 countries; lead partner: Politecnico di Torino (ITA)	<a href="http://urbact.eu/sites/default/files/policy_brief_on_circular_economy.pdf">http://urbact.eu/sites/default/files/policy_brief_on_circular_economy.pdf</a>	<a href="https://www.interregeurope.eu/retrace/">https://www.interregeurope.eu/retrace/</a>
<b>Interreg Europe TRIS project (Transition Regions towards Industrial Symbiosis) (2016-2012)</b>	8 partners in 5 countries; lead partner: Birmingham City Council (England/UK)	<a href="http://urbact.eu/sites/default/files/policy_brief_on_circular_economy.pdf">http://urbact.eu/sites/default/files/policy_brief_on_circular_economy.pdf</a>	<a href="https://www.interregeurope.eu/tris/">https://www.interregeurope.eu/tris/</a>
<b>Interreg Europe SYMBI project (Industrial Symbiosis for Regional Sustainable Growth and a Resource Efficient Circular Economy) (2016-2021)</b>	9 partners in 7 countries; lead partner: FUNDECYT-PCTEX (ES)	<a href="http://urbact.eu/sites/default/files/policy_brief_on_circular_economy.pdf">http://urbact.eu/sites/default/files/policy_brief_on_circular_economy.pdf</a>	<a href="https://www.interregeurope.eu/fileadmin/user_upload/plp_uploads/events/Industrial_networks_and_role_of_business.pdf">https://www.interregeurope.eu/fileadmin/user_upload/plp_uploads/events/Industrial_networks_and_role_of_business.pdf</a>
<b>Circular Ocean Project (2015-2018)</b>	Northern Periphery & Arctic (NPA) region	<a href="http://urbact.eu/sites/default/files/policy_brief_on_circular_economy.pdf">http://urbact.eu/sites/default/files/policy_brief_on_circular_economy.pdf</a>	<a href="http://www.circularocean.eu">www.circularocean.eu</a>

**CAT 5c) Countries/International Cooperation**

<b>European Circular Economy Package</b> (adopted December 2015)	EU-wide	<a href="http://ec.europa.eu/environment/circular-economy/index_en.htm">http://ec.europa.eu/environment/circular-economy/index_en.htm</a>	<a href="https://resource.co/article/circular-economy-package-mixed-bag-reuse-10885">https://resource.co/article/circular-economy-package-mixed-bag-reuse-10885</a>
<b>CE as one theme of the EU Urban Agenda</b> (approved in Dec. 2016, in place since January 2017)	EU-wide	<a href="http://urbact.eu/circular-economy-another-buzzword-or-your-city's-future">http://urbact.eu/circular-economy-another-buzzword-or-your-city's-future</a>	<a href="http://ec.europa.eu/regional_policy/sources/policy/themes/urban-development/agenda/pact-of-amsterdam.pdf">http://ec.europa.eu/regional_policy/sources/policy/themes/urban-development/agenda/pact-of-amsterdam.pdf</a>
<b>Nordic Built Cities Programme</b> (2014: programme, 2015-2016: challenge)	Nordic Countries	<a href="http://nordicbuiltcities.org/nordic-built-cities/">http://nordicbuiltcities.org/nordic-built-cities/</a>	<a href="http://nordicbuiltcities.org/thechallenge/about/">http://nordicbuiltcities.org/thechallenge/about/</a>



**CAT 6) Isolated building/structures/monuments**

<b>Children's House Brobækken</b> (built in 2011)	Odense (DK)	<a href="http://www.gronneindkob.dk/cases/odense-har-bygget-svanemarket-boernehus/">http://www.gronneindkob.dk/cases/odense-har-bygget-svanemarket-boernehus/</a>
<b>La Lanière Project House</b>	Lille (FR)	<a href="http://www.eurocities2017.eu/awards/shortlist">http://www.eurocities2017.eu/awards/shortlist</a>

**CAT 7) Other Policy Papers/Documents/Studies**

**2016 EEA study "Circular economy in Europe"** <https://www.cca.europa.eu/publications/circular-economy-in-europe>

**2016 Policy Brief „Pathways to a circular economy in cities and regions” by ESPON, Interact, Interreg Europe & URBACT** <http://urbact.eu/circular-economy-another-buzzword-or-your-city's-future> [http://urbact.eu/sites/default/files/policy\\_brief\\_on\\_circular\\_economy.pdf](http://urbact.eu/sites/default/files/policy_brief_on_circular_economy.pdf)

**Report by the Cologne Institute for Economic Research in English (Neligan, 2016, Moving towards a Circular Economy Europe between Ambitions and Reality)** [https://www.iwkoeln.de/fileadmin/publikationen/2016/289257/IW-Policy\\_Paper\\_2016-09\\_Circular\\_Economy.pdf](https://www.iwkoeln.de/fileadmin/publikationen/2016/289257/IW-Policy_Paper_2016-09_Circular_Economy.pdf)

**URBACT 2015 report "Social Innovation in Cities"** <http://urbact.eu/circular-economy-another-buzzword-or-your-city's-future> [http://urbact.eu/sites/default/files/03\\_socialinn-web.pdf](http://urbact.eu/sites/default/files/03_socialinn-web.pdf)

**ARUP study on "Circular Economy in the Built Environment" (2016)** <https://www.arup.com/publications/research/section/circular-economy-in-the-built-environment>

**CAT 8) Other Policy Papers/Documents/Studies and Partnerships not directly tackling CE, but potentially relevant e.g. in terms of governance**

**URBACT's BoostInno Network on Boosting Social Innovation** <http://urbact.eu/circular-economy-another-buzzword-or-your-city's-future> <http://urbact.eu/boostinno>



**B. Worldwide Circular Economy Policies and Projects (initial exploration)**

Name/Description	City (Country)	Link1	Link2	Link3	Additional material/information
<b>CAT 2) City or City-Region Policy Framework</b> (alphabetical order: first country, second city, third date: oldest first)					
<b>Adelaide</b> ( <i>see also above information on its respective state, South Australia</i> ); <i>city rather seems to focus on climate policies</i>	Capital of the state South Australia/Australia	<a href="http://www.adelaidenow.com.au/news/opinion/tim-loyd-after-carbonneutral-adelaide-comes-our-circular-economy/news-story/142bf9b386e419cac27095c5012cdd0a">http://www.adelaidenow.com.au/news/opinion/tim-loyd-after-carbonneutral-adelaide-comes-our-circular-economy/news-story/142bf9b386e419cac27095c5012cdd0a</a>	<a href="http://www.greenindustries.sa.gov.au/sa-waste-resource-recovery-infrastructure-plan">http://www.greenindustries.sa.gov.au/sa-waste-resource-recovery-infrastructure-plan</a>	<a href="https://www.carbonneutraladelaide.com.au/about">https://www.carbonneutraladelaide.com.au/about</a>	South Australia's Waste and Resources Recovery Infrastructure Plan (2018) can be accessed via L2; Carbon Neutral Adelaide Action Plan (2016-2021) can be accessed via L3
<b>Rio de Janeiro</b> (one of the nine members of the EMF's Circular Cities Network)	Capital of Brazil	<a href="http://www.tauw.com/news/article/article/the-netherlands-helps-rio-de-janeiro-combat-guanabara-bay-pollution/">http://www.tauw.com/news/article/article/the-netherlands-helps-rio-de-janeiro-combat-guanabara-bay-pollution/</a>	<a href="http://kunststofkringloop.nl/wp-content/uploads/2014/11/Two-pager-on-Opportunities-of-a-Circular-Economy-in-Rio-de-Janeiro1.pdf">http://kunststofkringloop.nl/wp-content/uploads/2014/11/Two-pager-on-Opportunities-of-a-Circular-Economy-in-Rio-de-Janeiro1.pdf</a>		
<b>Guiyang</b>	Capital of Guizhou province/China	<a href="https://kenniskaarten.hetgroenebrein.nl/en/knowledge-map-circular-economy/among-cities-regions-and-countries/">https://kenniskaarten.hetgroenebrein.nl/en/knowledge-map-circular-economy/among-cities-regions-and-countries/</a>			
<b>Austin</b> (one of the nine members of the EMF's Circular Cities Network) (mentioned as one of nine "Zero Waste Case Studies" on the EPA (United States Environmental Protection Agency) website)	Capital of Texas/USA	<a href="https://austinmaterialsmarketplace.org/the-circular-economy/">https://austinmaterialsmarketplace.org/the-circular-economy/</a>	<a href="http://www.austintexas.gov/blog/austin-leads-world-toward-zero-waste-and-away-linear-economy">http://www.austintexas.gov/blog/austin-leads-world-toward-zero-waste-and-away-linear-economy</a>		
<b>Boulder</b> (one of the nine members of the EMF's Circular Cities Network); one of nine "Zero Waste Case Studies" on the EPA (United States Environmental Protection Agency) website	City in Colorado/USA	<a href="https://www.epa.gov/transforming-waste-tool/zero-waste-case-study-boulder">https://www.epa.gov/transforming-waste-tool/zero-waste-case-study-boulder</a>	<a href="https://www-static.bouldercolorado.gov/docs/Zero-Waste-Strategic-Plan-Action-Plan-Web-1-201604131208.pdf?_ga=2.90319192.352306730.1525276901-1463724673.1525276901">https://www-static.bouldercolorado.gov/docs/Zero-Waste-Strategic-Plan-Action-Plan-Web-1-201604131208.pdf?_ga=2.90319192.352306730.1525276901-1463724673.1525276901</a>		
<b>New York City</b> (one of the nine members of the EMF's Circular Cities Network); focus of the information on the right is on the city's Zero Waste Programme OneNYC	City in New York/USA	<a href="https://www1.nyc.gov/site/sustainability/initiatives/zero-waste.page">https://www1.nyc.gov/site/sustainability/initiatives/zero-waste.page</a>	<a href="https://www.wastedive.com/news/3-ways-to-boost-the-circular-economy-in-nycs-construction-industry/445010/">https://www.wastedive.com/news/3-ways-to-boost-the-circular-economy-in-nycs-construction-industry/445010/</a>	<a href="https://www1.nyc.gov/site/sustainability/onenyc.nyc.page">https://www1.nyc.gov/site/sustainability/onenyc.nyc.page</a>	



<b>Phoenix</b> (one of the nine members of the EMF's Circular Cities Network)	Capital of Arizona/ USA	<a href="https://www.ellenmacarthurfoundation.org/ce100/directory/phoenix">https://www.ellenmacarthurfoundation.org/ce100/directory/phoenix</a>	<a href="https://www.phoenix.gov/publicworks">https://www.phoenix.gov/publicworks</a>	<a href="https://cities-today.com/linear-economy-results-inefficient-use-scarce-resources-increases-harmful-emissions-generates-increasing-amounts-waste-john-trujillo-public-works-director-city/">https://cities-today.com/linear-economy-results-inefficient-use-scarce-resources-increases-harmful-emissions-generates-increasing-amounts-waste-john-trujillo-public-works-director-city/</a>
<b>San Francisco; Zero Waste Program</b> (started in 2000 according to L3) (mentioned as one of nine "Zero Waste Case Studies" on the EPA (United States Environmental Protection Agency) website)	City in California/ USA	<a href="http://www.c40.org/case_studies/c40-good-practice-guides-san-francisco-zero-waste-by-2020">http://www.c40.org/case_studies/c40-good-practice-guides-san-francisco-zero-waste-by-2020</a>	<a href="http://www.c40.org/case_studies/c40-good-practice-guides-san-francisco-zero-waste-by-2020">http://www.c40.org/case_studies/c40-good-practice-guides-san-francisco-zero-waste-by-2020</a>	<a href="https://www.epa.gov/transforming-waste-tool/zero-waste-case-study-san-francisco">https://www.epa.gov/transforming-waste-tool/zero-waste-case-study-san-francisco</a>
<b>Seven other US cities</b> (apart from Boulder and San Francisco) that are mentioned as " <b>Zero Waste Case Studies</b> " on the EPA (United States Environmental Protection Agency) website (L1): <b>Berkeley, Fresno, Napa and San Jose</b> (all in CA); <b>Renton and Seattle</b> (WA) -> <i>see L1</i>	Cities in CA and WA/USA	<a href="https://www.epa.gov/transforming-waste-tool/zero-waste-case-study-san-francisco">https://www.epa.gov/transforming-waste-tool/zero-waste-case-study-san-francisco</a>		

### CAT 3) Regional/State Policy Frameworks

<b>South Australia</b> ( <i>see also above information on the state's capital, Adelaide</i> )	Australian state	<a href="https://static1.squarespace.com/static/5900aad637c581564bbf6bb4/t/5949eaaafb629a1631d8b334/1498016435557/Poweringtheexchange_Nov2017.pdf">https://static1.squarespace.com/static/5900aad637c581564bbf6bb4/t/5949eaaafb629a1631d8b334/1498016435557/Poweringtheexchange_Nov2017.pdf</a>	<a href="https://auspost.com.au/content/dam/auspost_corp/media/documents/circular-economy-white-paper.pdf">https://auspost.com.au/content/dam/auspost_corp/media/documents/circular-economy-white-paper.pdf</a>	<p><i>for the four SA policy papers see:</i> South Australia's Waste Strategy (2015-2020): <a href="http://www.zerowaste.sa.gov.au/upload/resource-centre/publications/waste-strategy/ZWSA%20WASTE%20STRATEGY%202015-2020.pdf">http://www.zerowaste.sa.gov.au/upload/resource-centre/publications/waste-strategy/ZWSA%20WASTE%20STRATEGY%202015-2020.pdf</a>;</p> <p>Report "Creating value: the potential benefits of a circular economy in South Australia" (2017), <a href="https://www.greenindustries.sa.gov.au/_literature_172204/Potential_Benefits_of_a_Circular_Economy_in_South_Australia_-_report_(2017)">https://www.greenindustries.sa.gov.au/_literature_172204/Potential_Benefits_of_a_Circular_Economy_in_South_Australia_-_report_(2017)</a>;</p> <p>Summary "Benefits of a Circular Economy in South Australia" (2017), <a href="https://www.greenindustries.sa.gov.au/_literature_172176/Benefits_of_a_Circular_Economy_in_South_Australia_-_summary_(2017)">https://www.greenindustries.sa.gov.au/_literature_172176/Benefits_of_a_Circular_Economy_in_South_Australia_-_summary_(2017)</a>;</p> <p>SAWRRIP (2018), <a href="https://www.greenindustries.sa.gov.au/sa-waste-resource-recovery-infrastructure-plan">https://www.greenindustries.sa.gov.au/sa-waste-resource-recovery-infrastructure-plan</a></p>
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### CAT 4) National Policy Frameworks and other initiatives (e.g. programmes, partnerships, competitions)

<b>Australia:</b> some selected information on Industrial Ecology (pioneered by the state of NSW) and the potential effects of China's New Waste and Recycling Policy	Australia	<a href="https://edgeenvironment.com/wp-content/uploads/2015/07/how-to-move-Australia-toward-a-circular-economy-WME-May-June-15-issue.pdf">https://edgeenvironment.com/wp-content/uploads/2015/07/how-to-move-Australia-toward-a-circular-economy-WME-May-June-15-issue.pdf</a>	<a href="http://www.greenindustries.sa.gov.au/chinas-new-policy-on-waste-and-recycling">http://www.greenindustries.sa.gov.au/chinas-new-policy-on-waste-and-recycling</a>
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<b>Brazil</b>	Brazil	<a href="https://www.ellenmacarthurfoundation.org/assets/downloads/A-Circular-Economy-in-Brazil-An-initial-exploration.pdf">https://www.ellenmacarthurfoundation.org/assets/downloads/A-Circular-Economy-in-Brazil-An-initial-exploration.pdf</a>	<a href="https://www.nederlandenu.nl/laatstenuieuws/nieuws/nieuws/2016/07/31/circular-economy">https://www.nederlandenu.nl/laatstenuieuws/nieuws/nieuws/2016/07/31/circular-economy</a>	<a href="http://www.circularchange.com/portfolio-item/beatriz-luz/">http://www.circularchange.com/portfolio-item/beatriz-luz/</a>
<b>Chinese Circular Economy Strategies/Laws</b> (various)	China	<a href="https://doi.org/10.1111/jiec.12597">https://doi.org/10.1111/jiec.12597</a>	<a href="http://www.iamsterdam.com/media/pdf/factsheet-circular-economy-in-china.pdf?la=nl">http://www.iamsterdam.com/media/pdf/factsheet-circular-economy-in-china.pdf?la=nl</a>	<p><a href="https://kenniskaarten.hetgroenebrein.nl/en/knowledge-map-circular-economy/among-cities-regions-and-countries/">https://kenniskaarten.hetgroenebrein.nl/en/knowledge-map-circular-economy/among-cities-regions-and-countries/</a></p> <p>L1 = McDowall et al. (2017), Circular Economy Policies in China and Europe; L2 = Dutch Consulate in Guangzhou (2016), Factsheet Circular Economy in China;</p> <p><i>other papers mentioned:</i></p> <p>Prendeville et al. (2017), Circular Cities: Mapping Six Cities in Transition, <a href="https://doi.org/10.1016/j.eist.2017.03.002">https://doi.org/10.1016/j.eist.2017.03.002</a></p> <p>Su et al. (2013), A review of the circular economy in China: moving from rhetoric to implementation, <a href="https://doi.org/10.1016/j.jclepro.2012.11.020">https://doi.org/10.1016/j.jclepro.2012.11.020</a></p> <p>Geng et al. (2009) , Implementing China’s circular economy concept at the regional level: A review of progress in Dalian, China, <a href="https://doi.org/10.1016/j.wasman.2008.06.036">https://doi.org/10.1016/j.wasman.2008.06.036</a></p>
<b>China's New Waste and Recycling Policy</b> (came into effect 31 December 2017, another policy on 1 March 2018); <i>will potentially affect states/countries that export recyclables to China (such as Australia) and could push them to improve the quality standards</i>	China	<a href="http://www.greenindustries.sa.gov.au/chinas-new-policy-on-waste-and-recycling">http://www.greenindustries.sa.gov.au/chinas-new-policy-on-waste-and-recycling</a>		
<b>Japanese CE approaches</b>	Japan	<a href="https://kenniskaarten.hetgroenebrein.nl/en/knowledge-map-circular-economy/among-cities-regions-and-countries/">https://kenniskaarten.hetgroenebrein.nl/en/knowledge-map-circular-economy/among-cities-regions-and-countries/</a>		
<b>Information on some Asian Countries/Cities</b>	Asia	<a href="https://www.breakfreefromplastic.org/2018/03/19/zero-waste-key-achieving-circular-economy-cities-experts-say/">https://www.breakfreefromplastic.org/2018/03/19/zero-waste-key-achieving-circular-economy-cities-experts-say/</a>		