



European policy objectives of the CSP technology

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DG RTD

Clean Energy Transition

21.10.2021

CSP Technology Day - EUSEW

September 2017 – SET Plan CSP IP



Initiative for Global Leadership in Concentrated Solar Power
—
Implementation Plan

November 2017

Strategic Energy Technology Plan first CSP Implementation Plan endorsed

https://setis.ec.europa.eu/implementing-actions/csp-ste-implementation-working-group_en

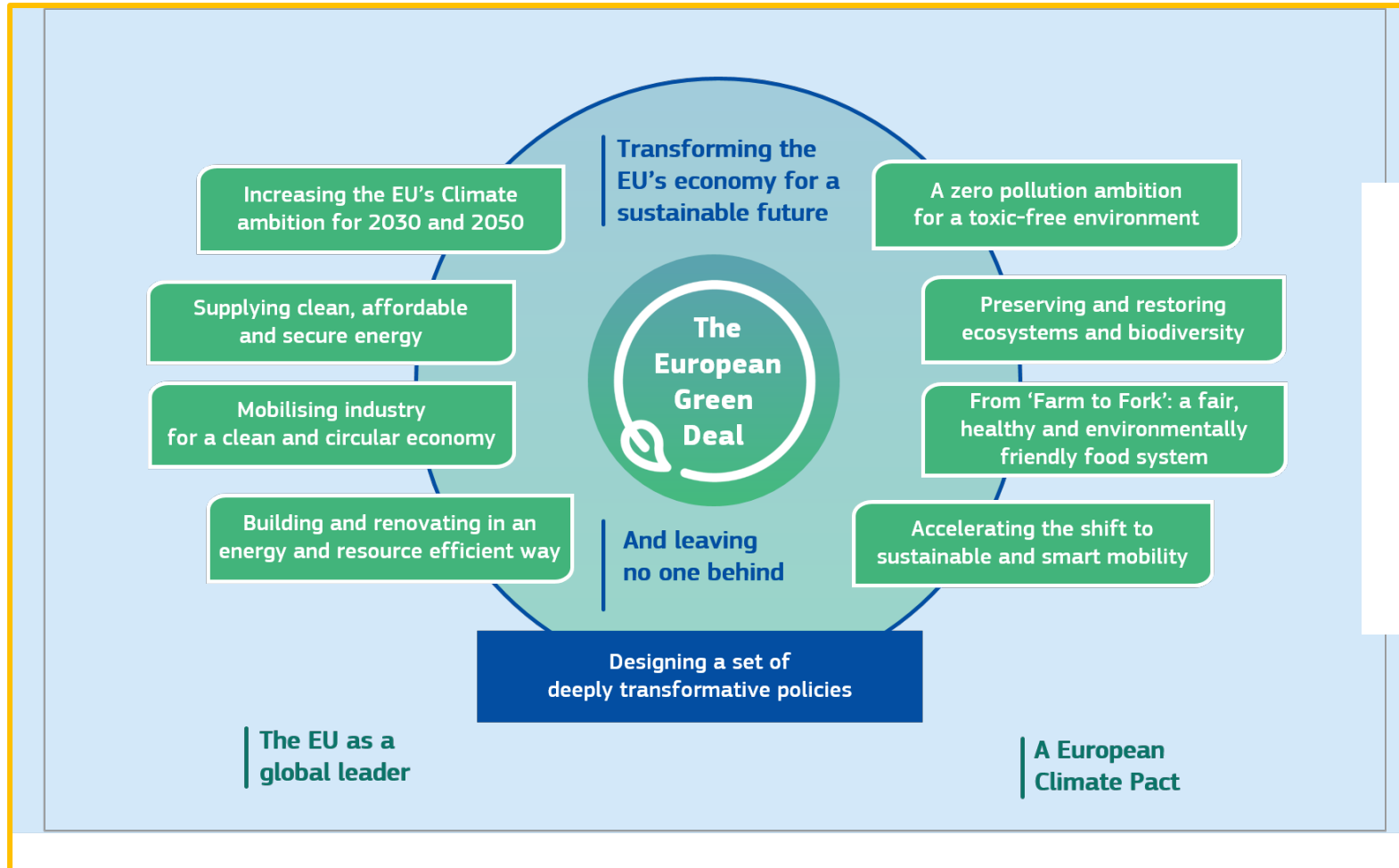
November 2018 – ‘A Clean Planet for all’

- COM(2018) 773
- Aim of net-zero greenhouse gas emissions by 2050
- ‘CSP is another solar energy source in which the EU is a global technology leader, and which has the potential to produce both heat as well as dispatchable power.’
- ‘A global outlook for CSP suggests that deployment levels in the EU could range between 5 and 35 GW by 2030 (SolarPaces, Greenpeace, ESTELA (2017). Solar thermal electricity. Global outlook 2016).’

December 2018 – RED recast

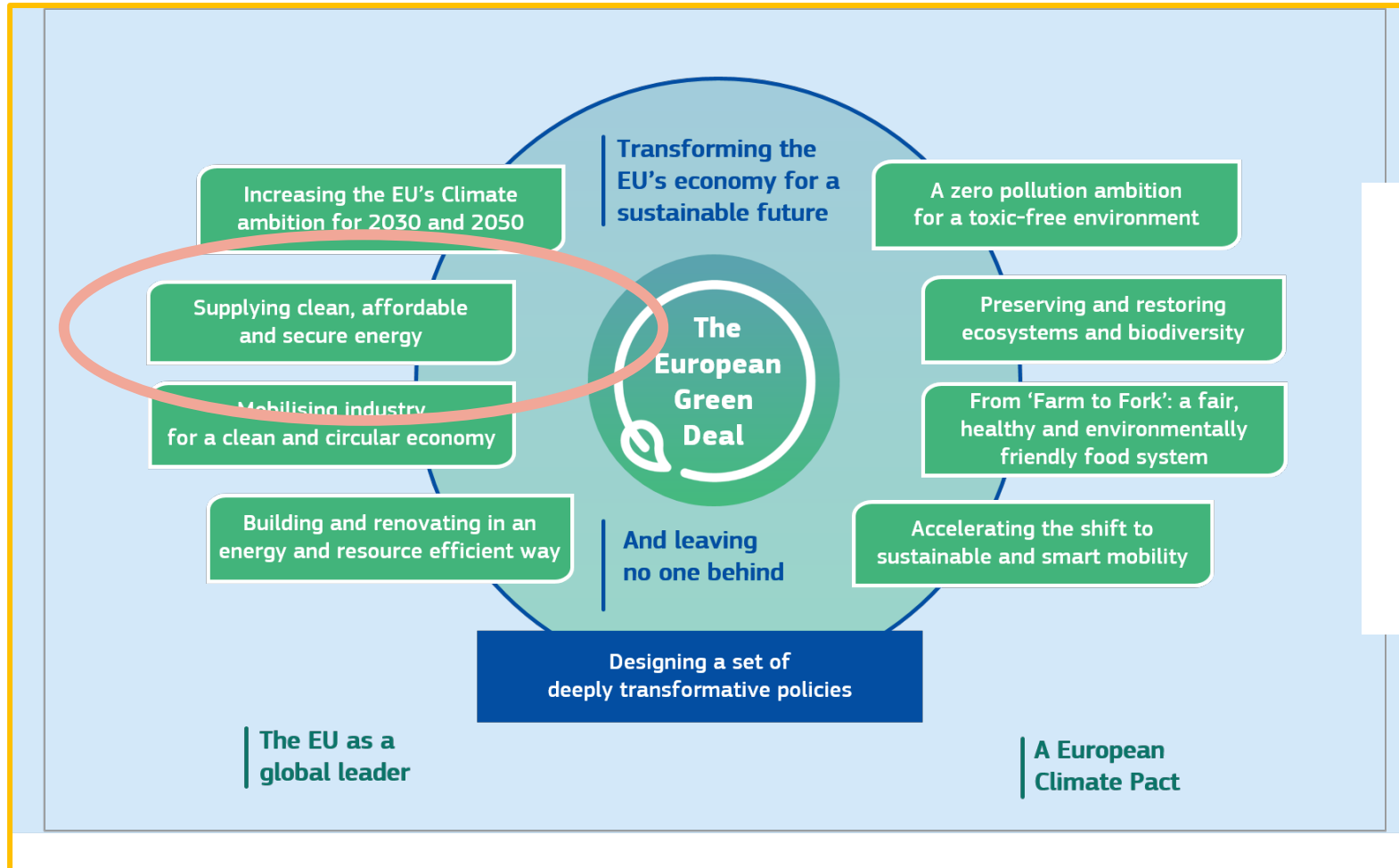
- DIRECTIVE (EU) 2018/2001 on the promotion of the use of energy from renewable sources (recast)
- Binding Union target of a share of at least 32 % of renewable energy in the gross final consumption of energy by 2030
- Cooperation mechanisms confirmed
- July 2021 - COM/2021/557: proposal of further revision of RED, renewable energy share to be increased to 40%

December 2019 – European Green Deal



COM(2019) 640

December 2019 – European Green Deal



COM(2019) 640

Linked to European Green Deal

- ‘European Climate Law’ - Regulation (EU) 2021/1119
- ‘2030 Climate Target Plan’ - Stepping up Europe’s 2030 climate ambition - COM(2020) 562

Further relevant initiatives

- 37% of #NextGenerationEU spent directly on EGD objectives - Recovery and Resilience Facility - National Recovery and Resilience Plans
- EU Taxonomy (Regulation (EU) 2020/852) - Classification system for green investments - EU Taxonomy Climate Delegated Act - Electricity generation using CSP considered contributing to climate change mitigation

To be monitored

- Current Horizon Europe calls relevant for CSP:
 - HORIZON-CL5-2021-D3-03-06: Novel approaches to concentrated solar power (CSP), TRL 4-5, budget EU 9 million, deadline 23 Feb 2022
 - HORIZON-CL5-2022-D3-02-04: Technological interfaces between solar fuel technologies and other renewables, TRL 4, budget EUR 10 million, deadline 27 Oct 2022
 - HORIZON-CL5-2022-D3-03-01: Innovative components and/or sub-systems for CSP plants and/or CST installations, TRL 6-7, budget EUR 16,50 million, deadline 10 Jan 2023
- CSP IP under revision

Thank you



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