

# ISO/TR 59032:2024-05 (E)

## Circular economy - Review of existing value networks

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Review of existing value networks .....	2
4.1	Method .....	2
4.1.1	Survey process .....	2
4.1.2	Preparing questionnaires .....	3
4.1.3	Collecting the cases of value networks .....	4
4.1.4	Selecting the examples .....	4
4.1.5	Selected examples .....	5
4.2	Examples .....	6
4.2.1	Example 1: Horizontal closed loop aluminium recycling system of Shinkansen (Japan) .....	6
4.2.2	Example 2: Improving the income levels of Indian farmers through better access to information (India) .....	8
4.2.3	Example 3: Case in the USA .....	9
4.2.4	Example 4: Effective industrial symbiosis (Denmark) .....	11
4.2.5	Example 5: CIRCULÉIRE - The National Platform for Circular Manufacturing (Ireland) .....	12
4.2.6	Example 6: Omnicane's "zero waste" industrial ecosystem (Mauritius) .....	15
4.2.7	Example 7: Eco-town business (Japan) .....	17
4.2.8	Example 8: Resources complex consortium (Japan) .....	19
4.2.9	Example 9: Case in Spain .....	21
4.2.10	Example 10: Global case .....	23
4.2.11	Example 11: Aluminium recycling in the window and curtain walling industry (Germany) .....	25
4.2.12	Example 12: Close the Glass Loop - The EU ambition to collect increased amounts of glass more effectively .....	26
4.2.13	Example 13: Lopyanko - AGRY_GAYA'18 Project for sustainable organic silk (Bulgaria) .....	28
4.2.14	Example 14: An open-access circular supply chain for fashion (UK) .....	29
4.2.15	Example 15: Cargo Carousel System (Canada) .....	30
5	Discussion .....	33
5.1	Sectors of facilitators and participants .....	33
5.2	Common infrastructure of value network models .....	34
5.3	Transition from value chains to value networks .....	35
5.4	Key aspects for creating the value network .....	36
5.4.1	Motivations of the participants in the value network .....	36
5.4.2	Methodology for creating and maintaining the value network .....	38
Bibliography .....		40