

## Appendix 1: Impact matrix of the module

Name of the module

**Promoting trade-related aspects of the circular economy in ASEAN (TRACE)**

Country/Region/Global

**Association Southeast Asian Nations (ASEAN - Association of Southeast Asian Nations)**

Project number

**2024.2068.5**

Duration

**06/2025 to 05/2029**

Impact matrix created on

**February 25, 2025**

| Goals   | Indicators   | Sources and time of data collection  | Assumptions                                   |
|---|--|--|---|
| <p><b>Module objective</b><br/>Trade-relevant aspects of a circular economy are operationalized by relevant public and private sector actors in the ASEAN region.</p> | <p><b>Module Target Indicator 1</b><br/>Number of proposals developed by ASEAN bodies on trade-related aspects of a circular economy that are integrated in draft resolutions for meetings of ASEAN Economic Ministers or the Coordination Committee for the ASEAN <i>Trade in Goods Agreement (ATIGA)</i>.</p> <p>Baseline: 2 proposals (1 on trade facilitation in the ASEAN <i>Circular Economy Framework</i> and 1 on circular economy in the <i>Joint Statement of ASEAN Economic Ministers' Meeting</i>) (11/2024)<br/>Target: 4 proposals (05/2029)</p> | <p>Annual evaluation of draft resolutions for the Meetings of Economic Ministers and ongoing evaluation of the minutes of the ATIGA Coordination Committee regarding the proposals developed by ASEAN bodies.</p> <p>ATIGA is the free trade agreement for goods in the ASEAN region.</p> <p>Relevant public and private sector actors in ASEAN include the trade ministers of the ASEAN states, ASEAN bodies such as the Trade Facilitation Division in the ASEAN Secretariat or their working groups with representatives from the countries, national trade and environment ministries and their subordinate authorities.</p> <p>ASEAN bodies including the ASEAN Coordinating Committee on the Implementation of ATIGA (<i>Coordinating Committee on the Implementation of the ATIGA (CCA)</i>) or other relevant working groups, e.g. on customs issues.</p> <p>Trade-relevant aspects of a circular economy including, for example, trade in waste, recycled materials, products</p> | <p>Not applicable, as individual proposal</p> |

| Goals | Indicators   | Sources and time of data collection  | Assumptions |
|-------|--|--|-------------|
|       | <p><b>Module Target Indicator 2</b><br/>                     Number of new or adapted national requirements on trade-relevant aspects of a circular economy, which have been agreed in draft form within the responsible ministry.</p> <p>Baseline: 3 requirements (in Malaysia regarding transnational movements of used electronic and electrical equipment, in Vietnam regarding trade in recycled goods, and in Singapore regarding the import and export of e-waste) (11/2024)<br/>                     Target value: 6 targets (05/2029)</p> | <p>that are reusable, remanufactured, repaired, contain recycled materials or are necessary for the circular economy, investments in circular economy business models and cross-border services that support a circular economy. Draft decisions include, for example, regional trade agreements or action plans addressing the interfaces between trade and the circular economy. Operationalized means that developed proposals for national guidelines or regional decisions have undergone a coordination process up to the preparation of political decision-making.</p> <p>Own survey: Qualitative survey of relevant representatives of the national environment and trade ministries and their subordinate authorities on the drafts for new or amended national regulations agreed upon within the ministries. "Agreed" means, for example, co-signature by various departments, management decisions, forwarding to other ministries, etc., depending on internal ministry processes.</p> <p>New or adapted requirements include, for example, laws, regulations, administrative provisions, process guidelines, and funding measures.<br/>                     For trade-relevant aspects of a circular economy, see MZI 1.</p> |             |

## Promoting trade-related aspects of the circular economy in ASEAN

Project number 2024.2068.5



| Goals  | Indicators  | Sources and time of data collection   | Assumptions   |
|--|---|---|---|
|  | <p><b>Module Target Indicator 3</b><br/>Number of private sector recommendations reflected in the rationale or provisions of draft regional or national policies.</p> <p>Baseline: 1 recommendation (private sector was involved in consultation on the inclusion of circular economy in ATIGA) (11/2024)<br/>Target: 5 recommendations (05/2029)</p> <p>The baseline and target values for indicators 1-3 are provisional. They will be reviewed and adjusted if necessary, during the first year of implementation.</p> | <p>Data collection times: annually</p> <p>Quarterly review of minutes of public-private dialogue forums and compare them with ASEAN proposals or national guidelines, regarding the inclusion of private sector recommendations in draft regional decisions or national guidelines.</p> <p>The private sector includes, for example, associations, chambers, and their member companies. Recommendations could, for example, concern the exemption of certain products from import restrictions or the simplification of documentation requirements.</p> <p>For regional decisions or national requirements, see MZI 1 and 2.</p> |   |
| <p><b>Output 1</b><br/>Proposals on trade-related aspects of promoting a circular economy have been drawn up by relevant ASEAN bodies.</p> | <p><b>Output Indicator 1.1</b><br/>Number of proposals developed by ASEAN working groups or committees on trade-related aspects of a circular economy.</p> <p>Baseline: 2 proposals (1 on trade facilitation in the <i>ASEAN Circular Economy Framework</i> and 1 on circular economy in the <i>Joint Statement of ASEAN Economic Ministers' Meeting</i>) (11/2024)<br/>Target: 6 proposals (01/2029)</p>   | <p>Annual evaluation of minutes, <i>policy briefs</i> and other documents of relevant ASEAN bodies (e.g. ASEAN working groups or committees such as the CCA) regarding the number of proposals on trade-relevant aspects of a circular economy.</p> <p>For suggestions, see Module Target Indicator 1.</p>  | <p>The topic of the circular economy remains on the agenda of the ASEAN bodies.</p> <p>Relevant national government representatives remain interested in advancing new regional agreements on trade and the circular economy.</p> <p>National ministries, such as those for economic affairs, trade and the environment, are willing to cooperate across departments.</p> |
| <p><b>Output 2</b></p>   | <p><b>Output Indicator 2.1</b></p>  | <p>Own survey: Survey of representatives of national authorities of ASEAN member states at the beginning of the</p>   |   |

## Promoting trade-related aspects of the circular economy in ASEAN

Project number 2024.2068.5



| Goals   | Indicators   | Sources and time of data collection   | Assumptions   |
|---|--|---|---|
| <p>Representatives of national authorities or ministries of ASEAN member states have the capacity to develop national requirements on trade-relevant aspects of a circular economy.</p> | <p>Number of representatives of national ministries or authorities of ASEAN member states who confirm that they have sufficient knowledge of trade-relevant aspects of a circular economy to develop national policies.</p> <p>Baseline: 6 representatives<br/>(No comprehensive survey of people and knowledge regarding trade-relevant aspects of a circular economy is available in the region. We estimate that in Malaysia, Singapore, and Vietnam, two people each in the trade ministries have sufficient knowledge. (11/2024)</p> <p>Target: 100 representatives, including 50 women (December 2027)</p> | <p>cooperation and after the implementation of the individual training or <i>peer learning</i> formats on their level of knowledge about trade-related aspects of a circular economy. The first survey is planned for 2027.</p> <p>The survey uses a questionnaire with a five-point scale ranging from 1 (no knowledge at all) to 5 (extensive knowledge). "Sufficient" is considered achieved if the knowledge level reaches a value of 4 or higher in the survey after the training or <i>peer learning</i> formats.</p> <p>Representatives of national ministries or authorities can be representatives of the relevant ASEAN working groups/committees as well as national representatives of relevant ministries and authorities on trade, economy, environment or customs.</p> | <p>National ministries and regional institutions are open to proposals from the private sector.</p> <p>The relevant associations deploy sufficient human and financial resources to pool corporate concerns regarding trade-relevant aspects of a circular economy and communicate them to political decision-makers.</p> |
|   | <p><b>Output Indicator 2.2</b></p> <p>Number of studies or background papers on trade-relevant aspects of a circular economy in ASEAN member states that have been used to develop national policies.</p> <p>Baseline: 0 studies or background papers (There is already a study by <i>the United Nations Office on Drugs and Crime</i> (UNODC), but this has not yet been used to develop national guidelines.) (11/2024)<br/>Target: 6 studies or background papers (10/2028)</p>   | <p>Own survey: Annual survey of representatives of the working groups/committees and the national partner institutions at the beginning and end of the collaboration regarding the number of studies or background papers used. These are considered to have been used for the development of national guidelines if representatives of the national partner institutions or working groups can describe how they used the content in the development of guidelines.</p>  |   |

## Promoting trade-related aspects of the circular economy in ASEAN

Project number 2024.2068.5



| Goals   | Indicators  | Sources and time of data collection   | Assumptions |
|---|---|---|-------------|
|   |   | <p>Studies and background papers can include, for example, legislative and material flow analyses.</p>  |             |
| <p><b>Output 3</b><br/>Solutions for circular economy have been developed for the private sector, especially women-led companies.</p> | <p><b>Output Indicator 3.1</b><br/>Number of private sector recommendations on trade-related aspects of circular economy developed through public-private dialogues.</p> <p>Baseline: 1 Recommendation on the consideration of circular economy concerns in the final document of the 2024 ASEAN Trade Ministers' Conference (November 2024)<br/>Target: 10 recommendations (12/2028)</p> | <p>Annual evaluation of the documentation of the public-private dialogues regarding the recommendations formulated by the private sector, which, among other things, provides approaches for the practical implementation of circular economy frameworks in policies and regulatory frameworks.</p> <p>Recommendations could include, for example, solutions for implementing the circular economy regarding waste products, for which legal import should be granted through a notification mechanism.</p> |             |
|   | <p><b>Output Indicator 3.1</b><br/>Number of private sector recommendations on trade-related aspects of circular economy developed through public-private dialogues.</p> <p>Baseline: 1 Recommendation on the consideration of circular economy concerns in the final document of the 2024 ASEAN Trade Ministers' Conference (November 2024)<br/>Target: 10 recommendations (12/2028)</p> | <p>Annual evaluation of the documentation of events at national and ASEAN level (e.g. via ASEAN Access) regarding the business models presented.</p> <p>Business models include solutions for recycling plastic waste, producing fertilizers from waste, recycling textiles, and developing bioplastics.</p> <p>A company is considered women-led if the owner is a woman or the</p>  |             |

## Promoting trade-related aspects of the circular economy in ASEAN

Project number 2024.2068.5



| Goals | Indicators | Sources and time of data collection           | Assumptions |
|-------|------------|---|-------------|
|       |            | management is predominantly made up of women. |             |

| Outputs         | Key activities for outputs  | Inputs / Planned Instruments  | Assumptions  |
|-----------------|---|---|--|
| <b>Output 1</b> | <ul style="list-style-type: none"> <li>• Technical and process advice to relevant ASEAN working groups in the development of work plans</li> <li>• Training of selected representatives of ASEAN working groups on trade-relevant aspects of a circular economy</li> <li>• Advising selected ministries of ASEAN member states on the development of ATIGA negotiating positions on the circular economy</li> <li>• Conducting studies on the need for regulation regarding trade-relevant aspects of a circular economy</li> <li>• Technical and methodological advice to relevant working groups in the development of proposals on trade-relevant aspects of a circular economy</li> </ul> | <ul style="list-style-type: none"> <li>• International experts</li> <li>• National experts</li> <li>• Short term experts</li> <li>• Tangible goods</li> </ul> | <p>Representatives of relevant ministries receive permission from their superiors to participate in training courses.</p> <p>The relevant national government representatives are willing to share their learning experiences with government representatives from other countries.</p> <p>Companies active in the circular economy are willing to see the benefit of articulating their needs to public actors, such as ministries, in <i>public-private dialogues</i>.</p> |
| <b>Output 2</b> | <ul style="list-style-type: none"> <li>• Inventory of relevant national policies/ guidelines of individual ASEAN countries</li> <li>• Promotion of peer learning among selected countries for the development of relevant national guidelines</li> <li>• Advising selected trade ministries on developing national policies for a trade-related circular economy and attracting investment, including an impact assessment.</li> <li>• Advising individual ministries and existing coordination bodies on interministerial coordination on trade and the circular economy in selected countries</li> </ul>  | <ul style="list-style-type: none"> <li>• International experts</li> <li>• National experts</li> <li>• Short term experts</li> <li>• Tangible goods</li> </ul> |  |
| <b>Output 3</b> | <ul style="list-style-type: none"> <li>• Analysis of cross-border product flows and value chains in a circular economy</li> <li>• Training for associations and companies, especially female entrepreneurs and corresponding associations, in the circular economy on trade-related aspects of a circular economy</li> </ul>  | <ul style="list-style-type: none"> <li>• International experts</li> <li>• National experts</li> <li>• Short term experts</li> <li>• Tangible goods</li> </ul> |  |

**Promoting trade-related aspects of the circular economy in ASEAN**

**Project number 2024.2068.5**



|  |  |  |  |
|--|--|--|--|
|  | <p>and circular-oriented business models as well as the development of pilot measures</p> <ul style="list-style-type: none"><li>• Advising associations, especially women entrepreneurs' associations, or ministries on conducting public-private dialogues on trade-relevant aspects of a circular economy</li><li>• Advising associations, especially women entrepreneurs' associations, on formulating and addressing business models, corporate interests and approaches to promoting investments in a circular economy</li><li>• Training, matchmaking and regional exchanges through the initiative established by ASEAN Access to promote women entrepreneurs</li></ul> |  |  |
|--|--|--|--|