



## ACTION PLAN IN RESPONSE TO THE RECOMMENDATIONS OF THE INTERIM EVALUATION OF THE BBI JU

Action Plan adopted in the Governing Board meeting of 21 March 2018, Decision BBI-GB-03/18: action points for BBI JU and its advisory bodies are endorsed and action points for BIC and the EC are acknowledged.

Overall timeline: Some actions are already part of the AWP2018 adopted on 13 December 2017. The timeline for overall implementation ends at legal expiration of the BBI JU (31/12/2024). **Deadlines are under revision by the European Commission, the action plan will be updated when new information is available.**

It is understood that the main actor for each action point will coordinate and cooperate with the remaining actors as necessary.

Evaluation question	Recommendations	Justification of proposed actions / Actions to be taken, including Actors	Deadline for each action	Actors
Q1/ Relevance	1 (1.1) To continue focus on de-risking bringing new bio-based value chains to market.	<p><i>New value chains will emerge with involvement of new (market-related) actors, thus higher openness and transparency will support this recommendation.</i></p> <p><b>1. BIC:</b></p> <p>1.1.1 Widen participation of full and associated membership towards new value chains (along the example of the updated SIRA).</p>	<p>Ongoing process</p> <p>To be reported in AAR / to GB, as appropriate</p>	<p><b>BIC</b></p> <p><b>EC</b></p> <p>BBI JU</p> <p>BBI JU SC/SRG</p>



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		<p>1.1.2 Increase visibility and attractiveness of the BIC membership.</p> <p>1.1.3 As regards market aspects, identify bottlenecks in regulatory framework and provide feedback to the EC.</p> <p><b>2. EC:</b></p> <p>1.2.1 Conduct strategic monitoring of the wider (i.e. beyond current BIC membership) bio-based industry in the EU and globally, in order to identify new value chains, and communicate them to BIC/BBI JU.</p> <p>1.2.2. As regards market aspects, identify bottlenecks in regulatory framework and present the way forwards, for most promising new value chains, and communicate the results to BIC/BBI JU.</p> <p><b>3. BBI JU:</b></p> <p>1.3.1. Continue the promotion and communication of the Initiative and engagement with the European bio-based industry, including beyond current BIC membership (e.g. by organising and</p>	<p>Ongoing</p> <p>Ongoing</p> <p>To be reported in AARs</p> <p>Ongoing / June each year</p>	



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		<p>attending workshops, conferences, increasing web presence).</p> <p>1.3.2. Update the BBI JU Communication annual action plan accordingly.</p> <p>1.3.3. Monitor value chain coverage in submitted proposals and financed projects and report on progress in AARs.</p>		
	<p>2 (1.2) To include increasingly brand owners and sectors at the interface with consumers with synergies with the existing ones.</p>	<p><i>Programme-level interactions with selected relevant stakeholders will strengthen the overall impact.</i></p> <p><b>1. BIC:</b></p> <p>2.1.1 Increase promotion and information of the Initiative with focus on relevant brand owners (targeted events etc.); increase their participation as BIC full members and/or in BBI projects.</p> <p>2.1.2. Increase interaction with relevant EU and MS consumer organisations (targeted events etc.); increase their participation as BIC associated members.</p> <p><b>2. BBI JU:</b></p> <p>2.2.1. Continue promotion and communication of the Initiative taking into</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>	<p><b>BIC</b></p> <p>BBI JU</p>



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		<p>account the engagement of brand owners and consumer organisations in coordination with BIC; organise and attend specific events etc.</p> <p>2.2.2. Update the BBI JU Communication action plan accordingly.</p> <p>2.2.3. Monitor brand owners and consumer organisation' participation in the financed projects and report on progress in AARs, in coordination with BIC.</p>	<p>June each year</p> <p>Ongoing / reported in AARs</p>	
	<p>3 (1.3) To respond to important emerging trends through future calls that could consider conversion of biogenic CO<sub>2</sub> into chemicals and materials as well as digitalization (including big-data analysis and exploitation) as one aspect in Bioeconomy value chains.</p>	<p><i>Staying on top of the scientific and technical excellence to keep the JTI relevant and innovative by transparent involvement of best players/ leaders</i></p> <p><b>1. BIC:</b></p> <p>3.1.1. As AWP drafting pen-holder ensure early and comprehensive internal consultations among both full and associated members, to capture all innovative ideas from within the Consortium and to bring up innovative ideas on CO<sub>2</sub> and digitalisation.</p> <p><b>2. EC:</b></p>	<p>Ongoing</p>	<p><b>BIC</b></p> <p>EC</p> <p>BBI JU</p> <p><b>BBI JU</b></p> <p><b>SC/SRG</b></p>



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		<p>3.2.1. Conduct strategic monitoring of the relevant scientific and technical innovative trends vis-à-vis conversion of biogenic CO<sub>2</sub> into chemicals and materials as well as digitalization (including big-data analysis and exploitation).</p> <p><b>3. BBI JU Advisory bodies (SC/SRG):</b></p> <p>3.3.1. Continue providing strategic advice with special attention to these innovative aspects.</p>	<p>Ongoing</p> <p>Ongoing (parallel with BBI advisory bodies' meeting schedule – next in June 2018)</p>	
Q2/ Implementation	4 (2.1) CSA projects have still received lower than planned share of the funds (1.4% compared to planned 3.25% in SIRA). This could be used as an opportunity: future CSA projects could support market analysis for bio-based products and processes and thus support 'market pull'.	<p><b>1. BIC:</b></p> <p>4.1.1. As AWP drafting pen-holder, propose sufficient CSA topics in the next AWPs, to gradually attain the budgetary earmarking given in the SIRA.</p> <p><b>2. EC:</b></p> <p>4.2.1. Support the definition of topics by own input, on relevant aspects, as necessary, including project results, to serve as input for future CSA suggestions.</p>	<p>December 2019 (GB approval of AWP 2020)</p> <p>December 2019 (GB approval of AWP 2020)</p>	<p><b>BIC</b></p> <p>EC</p> <p>BBI JU</p> <p>BBI JU SC/SRG</p>



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		<p>4.2.2. Continue monitoring the share of budget in proposed subsequent AWP's to ensure more attention is devoted to CSAs (to attain earmarking set out in the SIRA).</p> <p><b>3. BBI JU:</b></p> <p>4.3.1. Monitor and analyse results of projects to serve as input for future CSA suggestions.</p> <p><b>4. BBI JU Advisory bodies (SC/SRG):</b></p> <p>4.4.1. Continue providing strategic advice with special attention to the suggested aspect (i.e. market analysis for bio-based products and processes as support of 'market pull')</p> <p>4.4.2. Seek and use information on national and regional market case studies as suggestions for potential CSA topics.</p>	<p>Ongoing</p> <p>SC/SRG meetings</p>	
	<p>5 (2.2). Constant monitoring and analysis of the bio-based markets is of high importance for the development of the future calls.</p>	<p><i>Strategic high-level analysis of the bio-based markets (i.e. broader than the innovative technologies mentioned in recommendation 3) is of key importance for the excellence and innovation of the initiative.</i></p>		<p><b>BIC</b></p> <p>EC DG RTD (F)/ DG JRC</p> <p>BBI JU</p> <p><b>BBI JU</b> <b>SC/SRG</b></p>



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		<p><b>1. BIC:</b></p> <p>5.1.1. Ensure full and deep internal consultation among both full and associated members (as per action 3.1.1).</p> <p><b>2. EC:</b></p> <p>5.2.1. Organise specific studies on scientific, technical and economic aspects (as per action 3.2.1), as needed, and continue data analysis and sharing of past and/or on-going projects.</p> <p>5.2.2. DG RTD follow-up on the Bioeconomy Knowledge Centre run by DG JRC and liaise as appropriate with BIC and BBI.</p> <p><b>3. BBI JU:</b></p> <p>5.3.1. Use interactions with coordinators and stakeholders, or specific events related to bio-based markets, either organised or attended, providing feedback.</p> <p><b>4. BBI JU Advisory bodies (SC/SRG):</b></p> <p>5.4.1 Take into account the results of the JRC pilot study referred to in point 5.2.2</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Annual meetings with coordinators or stakeholders/ next date: June 2018</p> <p>Regular meetings</p>	



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		to provide strategic advice with special attention to the suggested aspects.		
	6 (2.3) The results of CSA projects funded under SC2 should be taken into consideration in the planning of future BBI calls.	<p>1. <b>EC:</b></p> <p>6.1.1 Collect available information on all relevant CSA projects under SC2, conduct and/or attend specific information events to deepen knowledge on the CSA projects and their results.</p>	Ongoing (AWP topic 2018.S04.S1 'Benefit from previous and current work to create a coherent and stimulating 'environment' for a sustainable bio-based industry in Europe')	<b>EC (RTD F)</b>
	7 (2.4) Efforts should be made to support development of completely new value chains and cross-value chains products and processes. Towards the end of the BBI programme, more	<i>DEMO and Flagship projects cover an entire value chain, and should have focus on 'completely new value chains'. In this sense, the recommendation extends previous rec. 1 and 3, by suggesting that Demos and Flagships with such value chains should be supported.</i>		<b>BIC</b> <b>EC</b> BBI JU BBI JU SC/SRG





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	<p>DEMO and especially FLAG projects demonstrating the feasibility and economic viability of completely new bio-based value chains should be launched.</p>	<p><b>1. BIC:</b></p> <p>7.1.1. Use the full potential of existing and new members (full and associated) to gain intelligence on promising completely new value chain or cross-value chains, products and processes (see actions 3.1.1-3.1.2);</p> <p>7.1.2. As AWP drafting pen-holder use the resulting topic suggestions and assign them as DEMO and FLAG instruments, according to the TRL, while keeping DEMOs and FLAGs within the budgetary limits given in the SIRA.</p> <p><b>2. EC:</b></p> <p>7.2.1. Conduct strategic monitoring of the wider bio-based industry in the EU and globally, in order to identify new/cross value chains;</p> <p>7.2.2. Monitor the share of budget in AWP to ensure that – while more attention in general is devoted to CSAs and RIAs (as per SIRA, recommendations 4, 30 and 31) – the DEMO and Flagship topics proposed correspond to completely new/cross value chains as recommended,</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>	



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		<p>while keeping DEMOs and FLAGS within the budgetary limits given in the SIRA.</p> <p><b>3. BBI JU:</b></p> <p>7.3.1. Monitor and analyse the scientific content of running projects, use interactions with coordinators and stakeholders.</p> <p><b>4. BBI JU Advisory bodies (SC/SRG):</b></p> <p>7.4.1. Continue providing strategic advice with special attention to new bio-based value chain opportunities for Demo and Flagship instruments, use information on national and regional demonstration and flagship projects.</p>	<p>Ongoing / reporting at SC/SRG meetings</p> <p>Regular meetings</p>	
	<p>8 (2.5) In the future BBI calls should complement rather than repeat emerging trends covered in LEIT BIOTEC or exploit the results of LEIT BIOTEC to move to higher TRL and greater involvement of the industry.</p>	<p><i>Complementarity / synergies with the LEIT BIOTEC programme. See also recommendation 33 and its action points.</i></p> <p><b>1. EC:</b></p> <p>8.1.1. Collect available information on all LEIT BIOTEC projects related to BBI remit, provide input to BIC, BBI JU and Advisory Bodies.</p>	<p>Ongoing</p>	<p><b>EC (RTD D/F)</b></p>



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		8.1.2. Analyse LEIT BIOTEC project results and use as own input when defining BBI AWP content.		
	9 (2.6) To improve the participation of EU-13 MS and Third Countries through a more open programming strategy, which should take into account potentials for growth at macro regional level, also in synergy with other EU initiatives (e.g. Smart Specialisation Strategies, S3).	<p><i>Focus on 'less participating' Member States, including EU-13. A mix of approaches proposed, from general information/ awareness rising, to strengthening engagement in the private consortium, advisory bodies and exploiting full thematic opportunities.</i></p> <p><b>1. BIC:</b></p> <p>9.1.1. Develop a mapping exercise of regional and macro-regional potentials (e.g. biomass availability, bio-related industrial activities, regional bioeconomy strategies, S3); support networking by publishing resulting maps.</p> <p>9.1.2. Develop and implement a specific strategy for information, awareness raising and deeper involvement of less participating EU Member States.</p> <p>9.1.3. Enhance the open programming strategy by increasing participation in BIC (full/associated members) of the</p>	Ongoing, first reports public on BIC website March 2018	<p><b>BIC</b></p> <p><b>EC</b></p> <p><b>BBI JU</b></p> <p><b>BBI SRG</b></p>



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		<p>stakeholders from the targeted Member States, by, e.g. conducting and participating in specific events in the targeted countries and regions, conducting training sessions and workshops at existing industrial BIC members with involvement of targeted stakeholders; etc.</p> <p>9.1.4. Expand activity on the regional level (e.g. by signing letters of cooperation with targeted regional authorities); consult regularly the regional stakeholders on their priorities, as related to bio-based industries.</p> <p>9.1.5. Dedicate specific complementary CSA topics to carry on action points 9.1.1 and 9.1.3 (while supporting recommendation 4).</p> <p>9.1.6. With regard to Third Countries, conduct an open consultation process to seek input to the programming activity, conduct targeted events linked to major international bioeconomy events; provide feedback to EC, BBI JU and BBI Advisory bodies.</p>	<p>Ongoing</p> <p>AWP2018 CSA topic SO4.S2 "Expand the bio-based industry across Europe"</p> <p>Ongoing</p>	



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		<p>9.1.7. Attract third country organisations to become full or associate members.</p> <p><b>2. EC</b></p> <p>9.2.1. Encourage and promote the (further) development of national and regional bioeconomy strategies, among the EU Member States;</p> <p>9.2.2. Contribute to information and awareness raising events (e.g. workshops, brokerage meetings, sharing of best practices etc.) aiming at less participating Member States, and taking into account the lessons learned from the related thematic instruments (Horizon 2020 SC2 and LEIT BIOTEC).</p> <p>9.2.3. Seek better synergies with the EU regional policies and their instruments (e.g. ESIF) by enhanced policy dialogue with responsible services (DG REGIO) and including resulting elements into appropriate communication materials.</p> <p>9.2.4. With regard to Third Countries, seek best opportunities of cooperation by engaging BIC and BBI JU in the</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing, during AWP drafting</p> <p>Ongoing, linked to the IBF activities schedule (RTD F1)</p>	



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		<p>International Bioeconomy Forum, under Horizon 2020 SC2.</p> <p><b>3. BBI JU</b></p> <p>9.3.1. Organise and contribute to information and awareness raising events (e.g. local workshops, brokerage meetings etc.) aiming at the less participating Member States, and taking into account the lessons learned from both own BBI JU and other JUs calls.</p> <p>9.3.2. Seek and share information on success stories from the participants and coordinators from less participating Member States, integrate into BBI JU Communication strategy.</p> <p>9.3.3. With regard to Third Countries, consult with the project coordinators and other stakeholders on the suggestions for cooperation; provide policy feedback to BIC and EC. Provide input to point 9.3.4</p> <p>9.3.4. With regard to the Third Countries, organise a meeting between BBI JU, BIC and EC to agree on priority third countries</p>	<p>Part of the ongoing widening participation action plan</p> <p>Ongoing</p> <p>May 2018 to launch the process</p> <p>Before/at the next SC/SRG meetings.</p>	



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		<p>and build an action plan. Plan to be discussed in SRG &amp; SC meeting.</p> <p><b>4. BBI JU Advisory bodies - SRG:</b></p> <p>9.4.1. Strengthen operations of the dedicated Task Force within BBI JU State Representative Group (see recommendation 10), offering exchange of best practices and practical mentoring support.</p> <p>9.4.2. Increase awareness building on the national and regional level, by fully engaging National Contact Points (who cover both Horizon 2020 SC2 and BBI JU activities) and by direct interaction of BBI SRG and NCPs in the targeted less participating Member States.</p> <p>9.4.3. With regard to Third Countries, prepare a specific advice to identify best opportunities for BBI JU.</p>	<p>Ongoing</p> <p>Ongoing</p> <p>May 2018</p>	



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	<p>10 (2.7) To analyse cases of success in terms of national participation and deliver 'best practices' for Member States, offering also mentoring support.</p>	<p><i>Improving opportunities across the EU to promote openness and transparency as guiding principles.</i></p> <p><b>1. BBI JU</b></p> <p>10.1.1. Collect and integrate 'best practices' from the BBI projects and from information received from BBI SRG and the Committee of Regions, applying the format of reporting of the JRC Bioeconomy Knowledge Centre; publish on BBI JU website while ensuring confidentiality of information.</p> <p>10.1.2. With regard to 'mentoring support', organise or use specific events (e.g. Info Days, Stakeholder Forum) to create a network of interested project coordinators or participants; organise dedicated workshops or training sessions.</p> <p><b>2. BBI SRG</b></p> <p>10.2.1. Collect and analyse the cases of success as well as 'best practices'; make available to BBI JU, EC and BIC.</p> <p>10.2.2. Advance work of the Task Force on widening participation, link to National</p>	<p>June 2018 (RTD.R4)</p> <p>Ongoing</p> <p>Info Day first half of 2018, Stakeholder Forum, second half of 2018</p>	<p>EC</p> <p><b>BBI JU</b></p> <p><b>BBI SRG</b></p>





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		Contact Points to spread information and promote participation on national and regional levels.	Ongoing, report in SRG meetings After the first meeting (June 2018)	
	11 (2.8) To identify win-win strategies for a larger involvement of Third Countries while ensuring the protection of EU industry's interests.	<p><b>1. BIC</b></p> <p>See action point 9.1.7.</p> <p>11.1.1. Conduct an internal analysis (including any dedicated business studies as needed) to seek input to the programming activity, while ensuring the protection of EU industry's interests.</p> <p>11.1.2 Engage at targeted events (e.g. studies on a potential with dedicated visits) linked to major international bioeconomy events; to identify win-win strategies.</p>	Ongoing	<p><b>BIC</b></p> <p>EC</p> <p>BBI JU</p> <p>BBI SC/SRG</p>



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		<p>11.1.3. Provide feedback to EC and BBI JU and BBI Advisory bodies.</p> <p><b>2. EC</b> See action point 9.2.5</p> <p>11.2.1. Seek best opportunities of cooperation by engaging BIC and BBI JU in the International Bioeconomy Forum, under Horizon 2020 SC2, and in other EU initiatives which derive from on-going R&amp;I policy dialogues with countries and regions.</p> <p><b>3. BBI JU</b> See action point 9.3.3.</p> <p><b>4. BBI Advisory bodies (SC/SRG)</b> See action point 9.4.3.</p>	Ongoing, linked to the IBF activities schedule (RTD F1)	
Q3/ Main achievements and effectiveness of implementation	12 (3.1) To monitor further progress of BBI JU by an annual comparison between BBI-specific KPIs projected, achieved and accumulated in the corresponding year.	<p><b>1. BIC</b> 12.1.1. As the KPI approach is widely used by industry, share best practice on KPIs result collection, analysis and verification methodology.</p> <p><b>2. BBI JU</b></p>	Q1 2018 (tbc)	<b>BIC</b> <b>BBI JU</b>



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		<p>12.2.1 Develop a methodology for the collection, analysis and verification of the BBI specific KPIs.</p> <p>12.2.2 Foresee regular interaction on KPI reporting and verification methodology with other JUs, to ensure a common approach.</p> <p>12.2.3. Ensure common understanding among the funded BBI projects on the methodology used to identify and report the KPI inputs (e.g. training sessions for project coordinators, webinars etc.).</p> <p>12.2.4. Continue work on result reporting from project partners and coordinators (via developing and updating the questionnaires, organising specific events and/or using meeting reviews etc), to ensure the means of verification of specific KPI reported, and presented in AARs.</p>	<p>12.2.1-4: Done (for KPIs projected), on-going for KPIs achieved and accumulated</p>	
	<p>13 (3.2) To increase the involvement of educational and research institutions in BBI JU programs and projects in medium to long-term</p>	<p><b>1. BIC</b></p> <p>13.1.1. Seek an earlier and deeper engagement of the educational and research institutions from among the associated members in the potential topic</p>	<p>Ongoing</p>	<p>BIC BBI JU</p>



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	precompetitive industrial innovation topics to be defined by all stakeholders.	<p>definition and also, in the promotional activities of the BIC and BBI JTI.</p> <p>13.1.2. Develop and promote specific actions directed at the educational and research institutions among the members, e.g. student traineeship, short industry-academia exchange scheme, match-making platform etc.</p> <p>13.1.3. As an AWP drafting pen-holder, propose a specific CSA to support activities under action point 13.1.2 (in line with recommendation 4).</p> <p><b>2. BBI JU</b></p> <p>13.2.1. In the regular promotional and information activity of the BBI JU (Info days, brokerage events, stakeholder fora etc.), increase focus on research and educational institutions (offering case studies, providing success stories and creating networking opportunities).</p>	<p>Done in AWP2018, topic SO4.S3 – "Identify opportunities to promote careers, education and research activities in the European bio-based industry."</p> <p>Ongoing (e.g. next Stakeholder Forum 2018)</p>	
	14 (3.3) To search for best practices aiming also at the simplification of certification procedure	<p><b>1. BIC</b></p> <p>14.1.1. Perform an analysis of the practical implementation of the certification procedures for IKOP and</p>	Ongoing, to serve as input for points	



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	for IKOP and for the reporting of IKAA.	<p>IKAA, with the aim of identifying concrete and feasible aspects of further simplification. Communicate the results of this analysis to EC and BBI JU.</p> <p><b>2. EC</b></p> <p>14.2.1. Take note of the results of the assessment performed by BIC and, if applicable, engage in discussions aiming at defining an action plan for the simplification of the certification procedure for IKOP and/or IKAA.</p> <p><b>3. BBI JU</b></p> <p>14.3.1. Take note of the results of the assessment performed by BIC and, if applicable, provide your consultative opinion in the discussions aiming at defining an action plan for the simplification of the certification procedure for IKOP and/or IKAA.</p>	14.2.1. and 14.3.1	
	15 (3.4) To improve coordination among all EU initiatives boosting the Bioeconomy and maximize their effect by i) assuring prompt access to project	<p><b>1. BIC</b></p> <p>(ii) 15.1.1. As drafting AWP pen-holder, see related action points 1.1.1, 3.1.1. and 13.1.1.</p>	July 2018	<p><b>BIC</b></p> <p>EC (15.2.1.: RTD.J.5; 25.2.2.: RTD.F[2],</p>



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	<p>deliverables by the EC and ii) catching the emerging trends in innovation for promoting long term competitiveness, also by a procedure involving associated public research partners of BIC in the programming activities at an early stage.</p>	<p><b>2. EC</b></p> <p>(i) 15.2.1. Update the current access policy as regards project information relevant for policy making purposes, so as to enable direct and swift access for the relevant EC services to project related information (comprised in the descriptions of the action, periodic reports, project deliverables, etc.). Implement ideally via the IT tools, but other appropriate modalities can be put in place.</p> <p>15.2.2 As a temporary solution pending the update of the access policy (Action 15.2.1), discuss and agree with the BBI JU on a temporary method to receive access to information relevant for policy making purposes (comprised in the descriptions of the action, periodic reports, project deliverables, etc.), only for the EC services represented in the Governing Board.</p> <p>(ii) 15.2.3. Undertake analysis and ensure integration in the feedback loops of the related EU policies for the BBI project deliverables.</p>	<p>Done for Dir F; ongoing for the other EC services</p> <p>Ongoing for RTD.F2; depends on timing of Actions 15.2.1/3 for the other units</p> <p>Ongoing</p>	<p>RTD.D.2, AGRI.H.2, GROW.)</p> <p><b>BBI JU</b></p>



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		<p><b>3. BBI JU</b></p> <p>(i) 15.3.1 Cooperate with and provide input to the relevant EC services in charge of updating the current access policy as regards project information relevant for policy making purposes.</p> <p>15.3.2 As an alternative and temporary solution pending the update of the access policy by the EC, discuss and agree only with the EC services represented in the Governing Board, on a method to provide them access to information relevant for policy making purposes (comprised in the descriptions of the action, periodic reports, project deliverables, etc.).</p>	Done	
	16 (3.5) To monitor the practice developed between EC, BBI JU and BIC services with regard to the planning of additional activities, with the objective of delivering an updated picture of the actual private vs public contribution to BBI JU.	<p><b>1. BIC</b></p> <p>16.1.1. Undertake a clearer, descriptive and detailed presentation of the additional activities both for planning and reporting.</p>	Ongoing, under AWP2019/20	BIC



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	17 (3.6) To avoid programming strategies aiming at short term benefit of BIC's specific sectors but rather invest resources in topics able to create wider and long lasting benefits both at multi-sectorial and macro-regional levels.	<p><b>1. BIC</b></p> <p>17.1.1. As drafting AWP pen-holder, develop a strategic programming exercise aiming at the multi-sectorial and macro-regional approach.</p> <p><b>2. EC</b></p> <p>17.2.1 Continue monitoring the draft AWPs and the underlying long-term priority papers, to ensure wider and long-term benefits.</p>	<p>Done / SIRA</p> <p>Ongoing</p>	<p><b>BIC</b></p> <p>EC</p>
Q4/ Performance: mission and governance, operational effectiveness, operational efficiency	18 (4.1) To strengthen the whole value chain approach by a greater participation of end users and customers.	See recommendation 2 and its related action points.		
	(19) 4.2 (i) To monitor the effectiveness of the measures implemented for solving the problems related to industrial financial contributions to operational costs and (ii) consider possible complementary measures to assure a	<p><b>1. BIC</b></p> <p>(i) 19.1.1. Make BIC members aware of the need to take part in proposals submitted to specific RIA topics and to contribute financially to the projects, and support them in this endeavour by whichever means.</p> <p>19.1.2. Deliver at programme and/or at project level the amount of</p>	ongoing	<p>BIC</p> <p>EC</p> <p>BBI JU</p>





Evaluation question	Recommendations	Justification of proposed actions / Actions to be taken, including Actors	Deadline for each action	Actors
	<p>balanced contribution of the Public and Private members to BBI JU.</p>	<p>EUR 182.5 million by 31 December 2024, representing financial contributions to the operational costs of the BBI JU.</p> <p>(ii) 19.1.3. Develop further measures based on this monitoring if needed, in cooperation with the EC.</p> <p><b>2. EC</b></p> <p>(i) 19.2.1 Monitor in detail the selected projects of Calls 2018-2020 in terms of announced financial contributions.</p> <p>(ii) 19.2.2. Consider possible complementary measures to ensure a balanced contribution of the Public and Private members to BBI JU.</p> <p><b>3. BBI JU</b></p> <p>(i) 19.3.1. Update the current legal, financial and electronic forms and/or tools to ensure that they reflect properly the change of legal framework.</p> <p>19.3.2. Develop appropriate detailed guidelines describing the procedures for reporting, verification and certification of</p>	<p>End March 2018 (for amendment to BBI JU Council Regulation) / Ongoing</p> <p>End March 2018</p> <p>Ongoing / reported in AAR</p>	



Evaluation question	Recommendations	Justification of proposed actions / Actions to be taken, including Actors	Deadline for each action	Actors
		<p>financial contributions delivered at project level.</p> <p>19.3.3. Monitor in detail the selected projects of Calls 2018-2020 in terms of announced financial contributions, and communicate this information to the relevant EC services.</p> <p>19.3.4. Monitor in detail the running grants of Calls 2018-2020 in terms of realised financial contributions, and communicate this information to the relevant EC services.</p> <p>19.3.5. Make all potential applicants aware of the need for large BIC members to take part in proposals submitted to specific RIA topics and to contribute financially to the projects, and support them in this endeavour by whichever means.</p>	<p>Ongoing</p> <p>AWP content</p>	



Evaluation question	Recommendations	Justification of proposed actions / Actions to be taken, including Actors	Deadline for each action	Actors
	20 (4.3) To start planning different scenarios in case the operational budget, which was originally approved at the time of BBI JU set up, is not fully spent by the end of the initiative.	<p><b>1. EC</b></p> <p>20.1.1. Develop a plan taking into account different potential scenarios, communicate it to BBI JU GB in order to raise its awareness regarding expected outcomes and discuss the consequences with BIC and BBI.</p>	Presentation of scenarios by September 2018; information of decision by GB December 2018	EC
	21 (4.4) To monitor the effectiveness of the guidelines for reporting and certification of IKOP and IKAA.	<p>See also recommendation 14</p> <p><b>1. EC</b></p> <p>21.1.1. Ensure that the AAR reflects in detail the effectiveness of the reporting and certification of IKOP and IKAA.</p> <p><b>2. BBI JU</b></p> <p>21.2.1. Monitor the effectiveness of the guidelines for reporting and certification of IKOP and of IKAA, and reflect the conclusions of this exercise in the AAR, mentioning whether or not any potential uncertainty arising from the certification has been identified.</p> <p>21.2.2. Should there be any uncertainty arising from the certification, undertake</p>	<p>Ongoing</p> <p>Reported in AAR</p> <p>To be launched if and when necessary.</p>	EC BBI JU



Evaluation question	Recommendations	Justification of proposed actions / Actions to be taken, including Actors	Deadline for each action	Actors
		verifications of the valuation method used for the purpose of valuing IKOP and IKAA.		
	22 (4.5) To deliver reports that provide comprehensive description of the actual private and public contributions to BBI JU delivered so far as well as the detailed plan for the delivery of the contribution of the two Partners over the next years.	<p>See recommendation 20 and the corresponding action points.</p> <p><b>1. BIC</b> 22.1.1 Provide financial information on the plan for delivery of each type of contribution in the next years.</p> <p><b>2. EC</b> 22.2.1. Provide financial information (budgetary programming) on the plan for delivery of financial contributions in the next years.</p> <p><b>3. BBI JU</b> 22.3.1. Provide financial information on actual public and private contribution received so far.</p>	<p>Past data covered in AAR/ future data until the end of programme known starting from Mid-2019.</p> <p>Annual budgetary programming</p> <p>Reported in AAR</p>	<p><b>BIC</b> <b>EC</b> <b>BBI JU</b></p>



Evaluation question	Recommendations	Justification of proposed actions / Actions to be taken, including Actors	Deadline for each action	Actors
Q5 / EU added value and leverage effect	23 (5.1) To introduce a systematic and constant annual reporting of the direct and indirect effects on the number of new jobs created by the different activities of BBI JU. This must be established on project coordinator level for the duration of BBI JU projects along with reporting tools for systematic reporting on long-term follow-up.	<p>See recommendation 12. and its action plan</p> <p><b>1. BIC</b></p> <p>See action points 12.1.1-2</p> <p>23.1.1 Carry out annual systematic studies, related to employment and turnover of various sectors of bioindustry, especially those created as result of different activities of BBI JU.</p> <p><b>2. BBI JU</b></p> <p>23.2.1. Include the question on direct and indirect effects and jobs, in the coordinator questionnaire; analyse the results.</p> <p>23.2.2. Develop the reporting tools for systematic reporting on long-term follow-up, with cooperation with the EC for consistency and compliance with the EC IT corporate system.</p>	Ongoing	<b>BIC</b> <b>BBI JU</b>
	24 (5.2) To increase and intensify private sector commitment by (i) in-kind contributions and (ii) contributions to additional activities.	<p><b>1. BIC</b></p> <p>24.1.1. Increase, to the maximum possible extent, the IKOP, IKAA and</p>	Ongoing	BIC



Evaluation question	Recommendations	Justification of proposed actions / Actions to be taken, including Actors	Deadline for each action	Actors
		<p>financial contributions coming from the private sector towards the BBI Initiative.</p> <p>24.1.2. Make BIC members aware of the need to increase their contribution towards the BBI Initiative, and support them in this endeavour by whichever means.</p>		
	<p>25 (5.3) To re-calculate the actual leverage effect once the IKAA plan for 2016 is adopted by the GB and the IKAA report 2016 has been certified.</p>	<p><b>1. BBI JU:</b></p> <p>25.1.1. To calculate the actual leverage effect in each AAR based on the formulas used first for AAR2016.</p>	<p>Done</p>	<p>BBI JU</p>
	<p>26 (5.4) To build up metrics and statistical data on the bio-based industries in the EU with annual reporting on economic growth.</p>	<p><b>1. BIC</b></p> <p>See recommendation 12 and the action points 12.1.1 and 12.1.2</p> <p><b>2. BBI JU</b></p> <p>26.2.1 See action point 5.3.1.</p>	<p>done annually, next report February 2018</p>	<p>BIC BBI JU</p>
	<p>27 (5.5) To catalyse the growth of novel sustainable value chains able to connect bio-based excellent science to bio-based industry.</p>	<p>See recommendations 1, 3, 13, 15 and the corresponding action points.</p>	<p>Done</p>	<p><b>BIC</b> EC BBI JU SRG/SC</p>



Evaluation question	Recommendations	Justification of proposed actions / Actions to be taken, including Actors	Deadline for each action	Actors
	<p>28 (5.6) To set up a task force within the EC for maximizing the structural effect at National, Regional and Macro regional level, also by analysing BBI JU project deliverables (in compliance with all confidentiality rules).</p>	<p>See recommendation 9 and 15 and the corresponding action points.</p> <p><b>1. BIC</b> Use data obtained under action point 9.1.3. when drafting the AWP.</p> <p><b>1. EC</b> 28.1.1. Establish a Task force, Undertake analysis and ensure integration in the feedback loops of the related EU policies. Take into account actions pursued under point 9.2.1-9.2-4.</p> <p><b>2. BBI JU</b> 28.2.1. To take the action described under recommendation 15, action point 15.3.1. regarding access to project documentation, and recommendation 9, action points 9.3.1-9.3.2. regarding less participating Member States</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>	<p>BIC EC BBI JU</p>
	<p>29 (5.7) To reach out to EU member states and regions with rural or deindustrialized areas for catalysing</p>	<p>See recommendation 10 and the corresponding action points.</p> <p><b>1. BIC</b> 29.1.1. Identify relevant EU regional initiatives and activities related to bio-</p>	<p>Ongoing</p>	<p><b>BIC</b> <b>SRG</b></p>



Evaluation question	Recommendations	Justification of proposed actions / Actions to be taken, including Actors	Deadline for each action	Actors
	revitalisation through bio-based industries.	<p>based industry, organise targeted events (workshops, fairs, brokerage days etc.) for awareness raising, networking and mobilization.</p> <p><b>2. BBI SRG</b></p> <p>29.2.1. Collect and analyse the cases of successful revitalization of rural and deindustrialised areas as well as opportunities for biobased industries; make available to BBI JU, EC and BIC.</p> <p>29.1.2. Reach out to regional level as appropriate, to increase BBI JU deployment.</p>	Next Stakeholder Forum 2018	
Q6 / Coherence	30 (6.1) To finance more CSAs projects in the following BBI JU work programmes.	See recommendation 4, and the corresponding action points	Ongoing	BIC
	31 (6.2) To publish more topics for RIA, in order to enlarge the participation of REC and HES.	See recommendation 13 and the corresponding action points.	Ongoing	BIC BBI JU
	32 (6.3) To cover emerging trends, such as synthetic biology	See recommendation 3 and the corresponding action points	Done	BIC, EC





Evaluation question	Recommendations	Justification of proposed actions / Actions to be taken, including Actors	Deadline for each action	Actors
	and platform technologies (e.g. bioinformatics), in the future BBI work programmes.			BBI JU SC/ SRG
	33 (6.4) To coordinate programming activities of BBI JU, SC2 and LEIT in order to guarantee complementary in terms of financial support for all beneficiary types and to achieve a balanced share of contribution dedicated to REC and HES.	See recommendations 8 and 13 and the corresponding action points. <b>1. EC</b> 33.1.1. Provide necessary information to BIC to guarantee complementarity.	Ongoing	EC (RTD D/F)