

**TEMPLATE FOR PEER REVIEW COMMENTS
TECHNICAL SERIES ON SYNTHETIC BIOLOGY**

Contact information		
Surname:	Anthonymsamy	
Given Name:	Anita	
Government (if applicable):	Malaysia	
Organization:	Department of Biosafety Malaysia	
E-mail:	anita@biosafety.gov.my	
Comments on the Technical Series on Synthetic Biology		
Page #	Line #	Comment
10	32/33	The phrase..."and the EU each one, is not very clear. Is it is meant to be one funder was identified from each of the EU member state? A rewording is suggested here. Suggestion would be....the UK, and one from South Korea and each of the EU Member state.
10	33/34	This statement that starts with "The great majority of funders..." lacks clarity. Suggestion would be...The top 50 funders are mainly from public research councils or government agencies
11	2	What is meant by "real world" data is not clear. Perhaps to explicitly describe what is meant by "real world" data. Data obtained from actual environmental release.
11	33	IPLC is not expanded, however it is mentioned again in pg 12 Line 6 and pg 16 Line 12, where by its full meaning is expanded
12	23	This statement seems to hang, it is not complete
17	15.16.17	The phrase..."and the EU each one, is not very clear. Is it is meant to be one funder was identified from each of the EU member state? A rewording is suggested here. Suggestion would be....the UK, and one from South Korea and each of the EU Member state. Cross link with comment on pg 10 Lines 32/33/34
18	13	Remove parenthesis for Wang et al., 2009
18	34	space between (ribonucleo)proteins
18	37	Insert "are". changes and transgenic insertions are present
19	1	Why not name the 2 scientists who won the 2020 Nobel Prize in Chemistry? Emmanuelle Charpentier and Jennifer A. Doudna https://www.nobelprize.org/prizes/chemistry/2020/press-release/ It is currently worded as "was awarded to developers of this tool ". Compare with description of other Nobel Prize winners in Lines 11 & 12 of Page 20- it reads "of Andrew Fire and Craig Mello led to the 2006 Nobel Prize in Medicine (Nobel Media AB, 2021). Their names are mentioned. Compare also with another mention at Lines 24 and 25 of Page 23. Despite the ongoing patent dispute, it does not change the fact that the 2020 prize was awarded to them.

23	41	Remove "were". regulatory RNAs were have
34	29	Replace "an" with "a". Julve Parreño et al (2018) described a synthetic biology approach
35	9,10	Grammar edit, ...the protein was engineered to become active upon binding to a bacterial endotoxin
35	30	Replace the word "excepted" to "expected". The products are expected to increase
37	7	Typo. Novel CRISPR proteins
39	12	Add the word "of".prevent transfer of transgenic information
46	16	Remove one full stop. 2020; Spalding & Brown, 2015)..
51	30	Remove parenthesis ...this appear to be United Nations Conference on Trade and Development, 2019:
56	46	Remove full stop (Section 3.)
57	28	Add the word “likelihood” to be consistent with text in Annex 3 of CPBcould go wrong and how harm might occur (likelihood),
57	44,45	Suggestion to reword Risk assessment consideration for three synthetic biology supporting technologies that have received considerable regulatory attention to date are presented.
57	48	Add acronym.for instance IAS and pests
0	0	Actually throughout the document, it has to be decided whether acronym for Invasive Alien Species which is IAS is going to be used or not. Sometimes it is spelt out in full, sometimes IAS is used.
58	49	Remove “i”, unclear why the letter “i” is there Centre for Biodiversity, 2020; Kawall et al., 2020) i .
61	20	Add an example resistance to what. Just resistance lacks clarity.
61	23	Remove “and” at the end of the statement as this is not the penultimate point
61	24-25	No explanation is provided for this point, like the rest. Put “;and” at the end of the statement as this is the penultimate point in this list
67	10	After the para on China, perhaps a statement can be added about the status gene editing regulation of CPB Parties in Asia. A general description, somewhat similar to what was mentioned for Africa (Line 48 Page 66) There is no mention of other Asian countries, other than China and Japan earlier on as a developed country (Line 34 Pg 66)
68	40	Provide information on which section to refer to. Replace “later section” to the specific section being referred to. This has been done when cross references are made in other parts of this document.
73	7-10	Break up these 2 statements.academic analysis . However , the challenges
73	24	Was it meant to be “this” instead of “his”

		...scientists at this institute.....
75	36	Remove the full stop (see Section 3.)
85	19,20	Placement of parenthesis - remove parentheses before the word “such”. Add parenthesis in front of Noyce. Remove parenthesis before “2018” natural organisms such as the reconstructed Horsepox virus (Noyce et al. 2018), karyotype engineered.....

Please submit your comments to secretariat@cbd.int.