

<Review comments by experts on Glossary of the Second Order Draft of Wetlands Supplement>

ID	Expert (Last Name, First Name)	Chapter /Section	Start Line	End Line	Sub-section	Comment	supplementary documents	Authors' Action and Note
E_Gl_0001	Brown, Lynette	Glossary	1	1		Some definitions throughout the Glossary end with a period but most do not - format to be consistent.		Accept. But will be checked again to ensure fully implemented.
E_Gl_0002	Brown, Lynette	Glossary	1	1		The first word being defined should be capitalized, the other words begin with lower case unless part of an abbreviation - format to be consistent. (Ex. Coastal Wetlands should be changed to Coastal wetlands - line 22)		Accept
E_Gl_0003	Lyde, Gund	Glossary	1	212		Well done. While there are only a handful, consider listing the references cited at the end.		Noted
E_Gl_0004	Ometto, Jean Pierre	Glossary	4	4		Wouldn't that structure be exclusive of "plant species"?		Accept with modification. Definition revised.
E_Gl_0005	Sookan, Anand	Glossary	6	6		Soils having, or conditions of, restricted drainage leading to period (periodic?) flooding and anaerobic condition ...		Accept with modification. Definition revised.
E_Gl_0006	Ometto, Jean Pierre	Glossary	15	15		Carbon emission(release) from plant live biomass		Accept with modification. Definition revised.
E_Gl_0007	Kasimir Klemetsson, Asa	Glossary	21			By chambers the net ecosystem exchange is not estimated, but the soil and root respiration. So need to be changed.		Accept with modification. Term and definition revised.
E_Gl_0008	Yu, Kewei	Glossary	21			Replace "CO2" with "gas".		Accept with modification. Term and definition revised.

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E_Gl_0009	Yu, Kewei	Glossary	24			>0.5ppt refers to freshwater or salt water? 0.5 to 1 ppt can be considered as tidal freshwater.		Accept with modification. Definition revised. However, in revised Final Draft, these definitions need to be resolved and cross-checked again for consistency throughout the document, especially Overview, Chapter 1, Chapter 4 and Glossary.
E_Gl_0010	Ometto, Jean Pierre	Glossary	34	34		Biological mediate reduction of { ... }		Reject. Definition is correct; the essence is mentioned
E_Gl_0011	Hernandez-Tejeda, Tomas	Glossary	34	35		To improve the definition of the word: DENITRIFICATION - The process by which nitrate is transformed to free atmospheric nitrogen by bacteria.		Reject. Definition is correct; the essence is mentioned
E_Gl_0012	Yu, Kewei	Glossary	34	35		Replace "to nitrogen gas" with "to nitrogenous gas".		Accept. Also, replace "to nitrogen gas" with "to molecular nitrogen"
E_Gl_0013	Hakalahti-Siren, Teija	Glossary	38	39		The screen pore size should be < 0,45 mikrometers		Accept
E_Gl_0014	Parno Guimaraes, Giselle	glossary	39	39		In practice DOC is all organic content that pass through filter with 0,45 µm of mesh size, instead 45 µm		Accept
E_Gl_0015	Brown, Lynette	Glossary	44	44		Not all ditches are small dams. Many ditch networks flow from and into natural surface waters or wetlands. Suggest deleting "Small dam, in the field it can be".		Accept with modification. Definition revised.

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E_Gl_0016	Brown, Lynette	Glossary	49	50		Do you need this definition? You have already defined each word seperately. If this definition is to remain, you should then define the word canal.		Accept. Term deleted.
E_Gl_0017	Blondel, Ana	Glossary	52	52		Correct typo in "utilizes"		Accept. But will be checked again to ensure fully implemented.
E_Gl_0018	Blondel, Ana	Glossary	54	54		Correct typo in "aquacutlure"		Accept with modification. Definition revised.
E_Gl_0019	Brown, Lynette	Glossary	60	61		Unclear how this definition differs from Wetland. Suggest changing definition to "Dry lands that are temporarily inundated." as permanently flooded lands such as reservoirs are included in the definition of Wetland in this Supplement.		Accept with modification. Definition revised.
E_Gl_0020	Brown, Lynette	Glossary	68	68		Suggest replacing "covered" with "inundated".		Accept with modification. Definition revised. However, in revised Final Draft, will replace "covered" with "inundated".
E_Gl_0021	Brown, Lynette	Glossary	70	70		Suggest replacing "covered" with "inundated".		Accept with modification. Definition revised. However, in revised Final Draft, will replace "covered" with "inundated".
E_Gl_0022	Brown, Lynette	Glossary	75	75		Spell out abbreviation to be consistent.		Accept. But will be checked again to ensure fully implemented.
E_Gl_0023	Brown, Lynette	Glossary	78	78		The word intermittent is not defined in the Glossary.		Reject. From the context it becomes clear that intermittent is the complement of permanent. With that the term is sufficently explained.

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E_Gl_0024	Brown, Lynette	Glossary	87	87		Suggest replacing "covered" with "inundated".		Accept with modification. Definition revised.
E_Gl_0025	Yu, Kewei	Glossary	88			>0.5ppt refers to freshwater or salt water? 0.5 to 1 ppt can be considered as tidal freshwater.		Accept with modification. Definition revised.
E_Gl_0026	Brown, Lynette	Glossary	90	90		Insert "or shrub" after the word "sedge" to be consistent with the definition of freshwater marsh.		Accept with modification. Term deleted, replaced with "Freshwater wetland".
E_Gl_0027	Yu, Kewei	Glossary	91			>0.5ppt refers to freshwater or salt water? 0.5 to 1 ppt can be considered as tidal freshwater.		Accept with modification. Definition revised.
E_Gl_0028	Lyde, Gund	Glossary	100	105		National Territory Is not defined. Here is a possible substitute : All the territory (area) within the national boundaries, including the national environment. Source <a href="http://stats.oecd.org/glossary/detail.asp?ID=6512">http://stats.oecd.org/glossary/detail.asp?ID=6512</a>		Noted. Will be considered for inclusion in revised Final Draft
E_Gl_0029	Hernandez-Tejeda, Tomas	Glossary	106	107		To improve the definition of the word: NITRIFICATION - The process by which bacteria oxidize ammonia and ammonium compounds to nitrites and nitrates.		Accept with modification. In revised Final Draft, the following will be implemented: "nitrification-the microbial oxidation of NHx to NO3" as both NH3 (ammonia) and NH4 (ammonium) are involved .
E_Gl_0030	Parno Guimaraes, Giselle	glossary	107	107		The microbial oxidation of NH4+ to NO3 instead The microbial oxidation of NH4 to NO3		Accept with modification. In revised Final Draft, the following will be implemented: "nitrification-the microbial oxidation of NHx to NO3" as both NH3 (ammonia) and NH4 (ammonium) are involved .

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E_Gl_0031	Ometto, Jean Pierre	Glossary	109	109		exclude from the definition: "including aquaculture effluent"		Accept with modification. Term was deleted.
E_Gl_0032	Parno Guimaraes, Giselle	glossary	109	109		note th nutrient enrichment is not only anthropogenic		Accept with modification. Term was deleted.
E_Gl_0033	Ometto, Jean Pierre	Glossary	115	116		Oligotrophic is defined by a broader "low nutrient content", not only phosphorus (as the end of the definition states). Rephrase the definition		Accept. Definition revised.
E_Gl_0034	Parno Guimaraes, Giselle	glossary	115	116		chorophyll, phosphous and/or NITROGEN		Accept. Definition revised.
E_Gl_0035	Parno Guimaraes, Giselle	glossary	139	139		DIC also include CO2		Accept with modification. The following will be implemented in the revised Final Draft: Peat decomposition is the process by which peat is broken down into simpler forms of matter. In mineralisation, decomposition proceeds to the mineral components, including CO2 and H2O.
E_Gl_0036	Brown, Lynette	Glossary	150	150		Insert the word "that" after "carbon".		Accept with modification. Definition revised.
E_Gl_0037	Brown, Lynette	Glossary	152	152		The dashes are different, format to be consistent.		Accept
E_Gl_0038	Ometto, Jean Pierre	Glossary	161	161		Riparian zones encompasses the interface aquatic system and land, but the definition is too simplistic (and incorrect) as it is. Rephrase.		Accept with modification. The following will be implemented in the revised Final Draft: "of, inhabiting, or situated on the bank of a river"

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E_Gl_0039	Brown, Lynette	Glossary	177	177		Spell out abbreviation to be consistent.		Accept. But will be checked again to ensure fully implemented.
E_Gl_0040	Yu, Kewei	Glossary	181			>0.5ppt refers to freshwater or salt water? 0.5 to 1 ppt can be considered as tidal freshwater.		Accept with modification. Definition revised.
E_Gl_0041	Brown, Lynette	Glossary	187	187		Insert "or shrub" after the word "sedge" to be consistent with the definition of marsh and freshwater marsh.		Accept with modification. Definition revised.
E_Gl_0042	Yu, Kewei	Glossary	188			>0.5ppt refers to freshwater or salt water? 0.5 to 1 ppt can be considered as tidal freshwater.		Accept with modification. Definition revised.
E_Gl_0043	Brown, Lynette	Glossary	190	190		Rearrange to read Total Organic Carbon (TOC)		Accept. But will be checked again to ensure fully implemented.
E_Gl_0044	Brown, Lynette	Glossary	198	198		DIC should be included in this definition.		Accept. The following will be implemented in the revised Final Draft: "DIC, DOC or POC contained in or conveyed by water"
E_Gl_0045	Lyde, Gund	Glossary	200	200		Consider deleting 'Wetlands, as discussed in this supplement, are'		Accept with modification. Definition revised.
E_Gl_0046	Brown, Lynette	Glossary	205	205		Insert "2006" before "IPCC" to clarify difference between this supplement definition and the previous definition.		Accept with modification. Definition revised.

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E_Gl_0047	Brown, Lynette	Glossary	after 129	before 130		Define the word Oxidation (referenced in line 145). Suggested definition = Reaction in which the atoms in an element lose electrons and the valence of the element is correspondingly increased.		Reject. Not warranted as a necessary definition to include for implementation of the guidance
E_Gl_0048	Brown, Lynette	Glossary	after 133	before 134		Define the word Peat. Suggested definition = Accumulated soil material consisting of partially decomposed organic matter.		Reject. Countries will use their country-specific definitions and a specific definition is omitted to ensure that it would not be restrictive.
E_Gl_0049	Brown, Lynette	Glossary	after 141	before 142		Define the word Peatland.		Reject. Countries will use their country-specific definitions and a specific definition is omitted to ensure that it would not be restrictive.
E_Gl_0050	Brown, Lynette	Glossary	after 211	before 212		Recommend moving or adding the definition of Wet soil from Chapter 1 (line 98 -100) to this location in Glossary.		Accept
E_Gl_0051	Brown, Lynette	Glossary	after 76	before 77		Recommend moving or adding the definition of Hydric soil from Chapter 1 (line 100-102) to this location in Glossary.		Reject. The term "hydric" does not bfeature anymore in the 2013Supplement.
E_Gl_0052	Hernandez-Tejeda, Tomas	Glossary	general	NA		To include the word: LIXIVIATION, which means the leaching of some N forms to belowground.		Reject. This term is not used in the Supplement.
E_Gl_0053	Hernandez-Tejeda, Tomas	Glossary	general	NA		To include the word: INFILTRATION, is the process by which water on the ground surface enters the soil.		Reject. This term is not used in the Supplement.

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E_Gl_0054	Hernandez-Tejeda, Tomas	Glossary	general	NA		To include the word: PERCOLATION, which means the movement of water through the soil and its layers by gravity and capillary forces.		Reject. This term is not used in the Supplement.
E_Gl_0055	Hernandez-Tejeda, Tomas	Glossary	general	NA		To include the word: AMMONIFICATION, which means the conversion of nitrogen compounds from plants and animals to ammonia and ammonium.		Reject. This term is not used in the Supplement.
E_Gl_0056	Hernandez-Tejeda, Tomas	Glossary	general	NA		To include the word: EUTROPHICATION, is caused by excessive nutrients in the water, causing the depletion of oxygen supply and death of water organisms.		Accept with modification. The term "eutrophic" was added.
E_Gl_0057	Hernandez-Tejeda, Tomas	Glossary	general	NA		To include the word: MINERALIZATION, which means the process of converting organic N compounds to inorganic (N ions) compounds during decomposition.		Accept with modification. The following term and definition will be added in the revised Final Draft: Mineralization - the process of converting organic compounds to inorganic compounds
E_Gl_0058	Hernandez-Tejeda, Tomas	Glossary	general	NA		To include the word: RUNOFF, which means the movement of landwater to oceans, chiefly in the form of rivers, lakes and streams.		Reject. The proposed definition is not appropriately applicable and term is not considered to be needed.
E_Gl_0059	Hernandez-Tejeda, Tomas	Glossary	general	NA		To include the word: LEACHING, refers to the export of N as NO <sub>3</sub> <sup>-</sup> from the soil which makes it unavailable for plant uptake.		Reject. It was considered that this term does not require a definition.



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E_Gl_0060	Hernandez-Tejeda, Tomas	Glossary	general	NA		To include the word: FIXATION, which means the process of converting N2 to ammonia (ammonium) or nitrate.		Reject. This term is not used in the Supplement.
E_Gl_0061	Hernandez-Tejeda, Tomas	Glossary	general	NA		To include the word: ASSIMILATION, means the process in which inorganic nitrogen (NH4 or NO3) is converted into organic nitrogen forms.		Reject. This term is not used in the Supplement.
E_Gl_0062	Hernandez-Tejeda, Tomas	Glossary	general	NA		To include the word: IMMOBILIZATION, occurs when inorganic N, as NH4+ and NO3-, are assimilated by microorganisms.		Accept with modification. The following term and definition will be added in the revised Final Draft: Immobilization - With respect to nitrogen, the process by which inorganic N, as ammonium(NH4+) and nitrate (NO3-), are assimilated by microorganisms.
E_Gl_0063	Hernandez-Tejeda, Tomas	Glossary	general	NA		To include the word: DECOMPOSITION, is the process that releases carbon dioxide in the atmosphere from "once living" organisms.		Accept with modification. The following term will be added in the revised Final Draft: Decomposition - refer to Peat Decomposition
E_Gl_0064	Hernandez-Tejeda, Tomas	Glossary	general	NA		To include the word: VOLATILIZATION, is the process of transformation into ammonia gas and exported to the atmosphere.		Reject.
E_Gl_0065	Schwendenmann, Luitgard	Glossary	general			DOM is not listed		Noted. It is one of the IPCC pools covered in the 2006GLs.

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E_Gl_0066	Sookan, Anand	Glossary	general			All lines: In some definitions there are full stops while most do not have one, which might indicate incomplete definition...		Accept. But will be checked again to ensure fully implemented.
E_Gl_0067	Sookan, Anand	Glossary	general			Should include a definition of Managed Land?, Harvested Wood Product?		Reject. Harvested wood product is not used in the supplement. Managed land is defined in 2006GLs Forest Land chapter.
E_Gl_0068	Radunsky, Klaus	Glossary	general			It is suggested to include in the glossary also the term "drained" as defined in chapter 1, lines 116 to 118.		Accept
E_Gl_0069	Radunsky, Klaus	Glossary	general			It is suggested to include in the glossary the term "wet soils" as included in chapter 1, lines 98 to 102		Accept
E_Gl_0070	Radunsky, Klaus	Glossary	22	25		It is noted that the definition of "coastal wetlands" in the glossary differs from that provided in chapter 1, lines 112 to 115		Accept
E_Gl_0071	Radunsky, Klaus	Glossary	60	61		It is noted that the definition provided in the glossary for "flooded land" is not consistent with the definition included in chapter 1, lines 103 to 107		