

Point-by-point reply to the comments from Referee 3

We agree with all the observations made by Referee 3, and we feel that including them in this new version of the manuscript resulted in a significant improvement of our research. Following, is a detailed description about the modifications we performed to the manuscript as a response to each of the eight comments from Referee 3. Together with this information, we are also providing a line-by-line detailed list of all the changes performed to the new version of the manuscript, here also provided.

1) Many more details are needed to understand how the SPDI works. Specifically, a) how long do you aggregate in time (eq. 2)? since the beginning of the timeseries? b) in page 5 line 5 you say that SPDI is similar to SPI12. Why 12? Are you accumulating (eq. 2) only for 12 months? is there something I am missing? c) line 19 same page: what does it mean from i positive to i negative? what is i? these questions make it clear that you need to describe better this index. Otherwise, the non-expert user will not understand what is happening.

Response. We do agree with this important observation from Referee 3 that the non-expert may need additional information as to fully understand the logic behind the SPDI index. Thus, in the new version of the manuscript, page 5 lines 25-29, we added the following text:

“In short, the first stage estimates the rainfall anomaly for each of the months of the series. The second stage allows to identify and calculate the accumulated rainfall anomalies, from the first month in which there is a (positive or negative) rainfall anomaly until – as a result of the accumulations – an opposite accumulated anomaly is detected. Finally, the third phase, these accumulated anomalies were standardized by converting them into z scores. Such standardization allows obtaining universally valid and comparable values for different precipitation indexes, such as the SPI.”

2) In page 6 lines 21 and 23 you define 2 times the same acronym.

Response. We agree that a second definition of the acronym SST was pointless here. Thus, only the corresponding acronym was referred in the text. Please, refer to page 6 line 28 of the new version of the manuscript

3) I found the reading extremely difficult due to the use of boldface long ‘abbreviations’ to distinguish between only 4 events. Please use shorter and more reader friendly symbols and avoid boldface. For instance, why not EP83, EP98, MIX15 and COA17? The same holds for the names of the catchments. Is it necessary to have both name and number?

Response. Along the entire manuscript, as well as in the figures, we used the four abbreviations suggested by the referee, that is EP83, EP98, MIX15 and COA17. As for the catchments, only the names were taken into account in the text. Likewise, such numbers were eliminated in Tables 2 to 4. We do agree that our manuscript is more reader friendly now after performing these two changes.

4) page 7 and following, usually the symbol for p-values is not in capitals.

Response. We have changed to lowercase all p-value symbols in the new version of the manuscript.

5) page 8 line 1. I don’t follow how $p=0.097$ is considered significant when before you said you were looking for $p<0.05$. please rephrase

Response. In the new version of the manuscript (please, refer to page 8 lines 3-4) the sentence was rephrased as:

“As for the Coastal El Niño, COA17, annual precipitation for the year 2017 was not significantly different from historical mean (2072mm, $p=0.097$).”

6) please change the labels in Fig. 2 to a, b, c. having I-a II-a is confusing.

Response. In Fig. 2 of the new version of the manuscript, we have changed the original labels to just (a) and (b). Where, (a) refers to the mean monthly precipitation, and (b) to the SPDI. Changes were also carefully made to any text referring to the graphs of this figure.

7) Fig. 2: it seems there is a mistake in the map in the last panel: the title says Amazon slope but the inset shows the Pacific slope.

Response. Indeed, there was a mistake in the inset of Fig. 2. In the new version of the manuscript such mistake was corrected.

8) page 11: why are the events discussed in order that is not chronological nor of event type? what is the rationale for having 3.4.3 before 3.4.4?.

Response. Indeed, section 3.4.3 was wrongly placed. In the new version of the manuscript (please, refer to page 13 lines 13-19) this section was placed accordingly, between sections 3.4.2 ad 3.4.4.

March 17th, 2023

Line-by-line list of changes performed to the latest version of the manuscript

Page	Line	Change
1	2	A new coauthor, Ezequiel Zamora-Ledezma, was included.
1	9-10	The affiliation from the new coauthor was included.
1	3-4, 11, 13-15, 17	Corrections to affiliations numerations were made due to the inclusion of the new coauthor.
1	26	“EP-EN 97/98” was changed to “EP98” , “COA-EN 17” was changed to “COA17” , and “EP-EN 82/83” was changed to “EP83” . From here after, following recommendations from Referee 3, all the acronyms EP-EN 82/83 , EP-EN 97/98 , MIX-EN 15/16 , and COA-EN 17 , were changed to EP83, EP98, MIX16 and COA17, respectively. This change in the acronyms was performed along the entire manuscript, including some of the figures.
5	25-29	This paragraph was inserted following Referee 3 recommendations.
6	11	“ie.” was changed for “i.e.”
6	28	Following recommendations from Referee 3, sea surface temperatures was referred here only its acronym (SST).
7	5	An extra parenthesis was eliminated here.
7	12-13	“EP-EN 82/83” was changed to “EP83” , “EP-EN 97/98” was changed to “EP98” , and “MIX-EN 15/16” was changed to “MIX16” . Also, the sentence was rephrased from “EP-EN 82/83, for El Niño 1982/83; EP-EN 97/98, for El Niño 1997/98; and MIX-EN 15/16, for El Niño 2015/16” to “EP83, for the EP El Niño event from 1982/83; EP98, for the EP El Niño from 1997/98; and MIX16, for the mixed CP/EP El Niño event from 2015/16” .
7	19	“COA-EN 17” was changed to “COA17”
7	26	“Fig. 2-Ia” changed to “Fig. 2a” . From here on, following recommendations from Referee 3, the labels changed from 2-Ia, 2-IIa and 2-IIIa, to simply 2a. On the other side, the labels 2-Ib, 2-IIb, and 2-IIIb, changed to 2b. Changes were made accordingly to labels from Fig. 2.
7	27	“P” changed to “p” . From here on, following recommendations from Referee 3, all p-value symbols were changed to lowercase.
7	29	“EP-EN 82/83” changed to “EP83” . “EP-EN 97/98” changed to “EP98”
7	29	“ie.” was changed for “i.e.”
7	30	“P” changed to “p” .
7	31	“EP-EN 82/83” changed to “EP83” . “EP-EN 97/98” changed to “EP98”
7	31	“ie.” was changed for “i.e.”
8	1	“was” changed for “were”
8	1	“EP-EN 82/83” changed to “EP83” . “EP-EN 97/98” changed to “EP98”
8	1	“P” changed to “p”
8	2	“MIX-EN 15/16” was changed for “MIX16”
8	3	“P” changed to “p”
8	3	“COA-EN 17” was changed to “COA17”

8	3-4	Following recommendations from Referee 3, the sentence “annual precipitation for the year 2017 tended to be significantly different from historical mean (2072mm, P=0.097)” was rephrased as “annual precipitation for the year 2017 was not significantly different from historical mean (2072mm, p=0.097)”
8	4	“P” changed to “p”
8	6	“Fig. 2-lb” changed to “Fig. 2b”
8	7	“Fig. 2-la” changed to “Fig. 2a”
8	9	“ EP-EN 82/83 ” changed to “EP83”. “ EP-EN 97/98 ” changed to “EP98”
8	10	“P” changed to “p”
8	10	“ EP-EN 82/83 ” changed to “EP83”
8	11	“ EP-EN 82/83 ” changed to “EP83”
8	13	“Fig. 3-l” changed to “Fig. 3a”
8	15	“ EP-EN 97/98 ” changed to “EP98”
8	17	“Fig. 2-lb” changed to “Fig. 2b”
8	17	“ EP-EN 97/98 ” changed to “EP98”
8	18	“ EP-EN 82/83 ” changed to “EP83”
8	19	“ EP-EN 97/98 ” changed to “EP98”
8	19-20	“Fig. 3-II” changed to “Fig. 3b”
8	22	“ MIX-EN 15/16 ” was changed for “MIX16”
8	22	“ie.” was changed for “i.e.”
8	23	“P” changed to “p”
8	23	“ EP-EN 82/83 ” changed to “EP83”. “ EP-EN 97/98 ” changed to “EP98”
8	24	“P” changed to “p”
8	25	“Fig. 2-lb” changed to “Fig. 2b”
8	26	“ COA-EN 17 ” was changed to “COA17”
8	27	“Fig. 2-lb” changed to “Fig. 2b”
8	28	“ EP-EN 82/83 ” changed to “EP83”. “ EP-EN 97/98 ” changed to “EP98”
8	28	“P” changed to “p”
8	29	“Fig. 3-III” changed to “Fig. 3c”
8	30	“ COA-EN 17 ” was changed to “COA17”. “ EP-EN 82/83 ” changed to “EP83”. “ EP-EN 97/98 ” changed to “EP98”
9	4	“Fig. 2-IIa” was changed to “Fig. 2a”
9	6	“P” changed to “p”
9	7	“ EP-EN 82/83 ” changed to “EP83”. “ EP-EN 97/98 ” changed to “EP98”
9	9	“P” changed to “p”
9	9	“ EP-EN 82/83 ” changed to “EP83”. “ EP-EN 97/98 ” changed to “EP98”
9	10	“P” changed to “p”
9	10	“ MIX-EN 15/16 ” was changed for “MIX16”
9	11	“P” changed to “p”
9	12	“P” changed to “p”
9	12	“ COA-EN 17 ” was changed to “COA17”
9	13	“P” changed to “p”
9	16	“ EP-EN 82/83 ” changed to “EP83”. “ EP-EN 97/98 ” changed to “EP98”
9	17	“Fig. 2-IIb” changed to “Fig. 2b”
9	17	“Fig. 3-I and II “ changed to “Fig. 3a and b”
9	18	“P” changed to “p”

9	18	" EP-EN 82/83 " changed to "EP83". " EP-EN 97/98 " changed to "EP98"
9	24	" EP-EN 97/98 " changed to "EP98"
9	25	" MIX-EN 15/16 " was changed for "MIX16"
9	27	"Fig. 2-IIb" changed to "Fig. 2b"
9	27	"Fig. 3-III" changed to "Fig. 3c"
9	28	"P" changed to "p"
9	28	"Fig. 2-Ib and IIb" changed to "Fig. 2b"
9	29	"P" changed to "p"
10	5	"Fig. 2-IIIa" changed to "Fig. 2a"
10	7	" EP-EN 97/98 " changed to "EP98"
10	8	" MIX-EN 15/16 " was changed for "MIX16"
10	8	"P" changed to "p"
10	9	" EP-EN 82/83, EP-EN 97/98, MIX-EN 15/16 or COA-EN 17 " changed to "EP83, EP98, MIX16, or COA17"
10	10	"P" changed to "p"
10	10	" MIX-EN 15/16 " was changed for "MIX16"
10	10	" EP-EN 82/83, EP-EN 97/98 and COA-EN 17 " changed to "EP83, EP98, and COA17"
10	14	"Fig. 2-IIIb" changed to "Fig. 2b"
10	14	" EP-EN 97/98, MIX-EN 15/16, and COA-EN 17 " changed to "EP98, MIX16, and COA17"
10	15	"P" changed to "p"
10	15	" EP-EN 82/83 " changed to "EP83"
10	16	" EP-EN 82/83 " changed to "EP83"
10	16	" EP-EN 97/98 " changed to "EP98"
10	18	"P" changed to "p"
10	18	" EP-EN 82/83 " changed to "EP83"
10	18	" EP-EN 97/98, MIX-EN 15/16, and COA-EN 17 " changed to "EP98, MIX16, and COA17"
10	18	"P" changed to "p"
10	18-19	"Fig. 2-IIIb" changed to "Fig. 2b"
10	20	" EP-EN 82/83 " changed to "EP83"
10	20	" EP-EN 97/98 " changed to "EP98"
10	20	" COA-EN 17 " was changed to "COA17"
10	20	"Fig. 3-I, II and III" changed to "Fig. 3a, b and c"
10	21	" MIX-EN 15/16 " was changed for "MIX16"
10	21	" EP-EN 97/98 " changed to "EP98"
10	22	" COA-EN 17 " was changed to "COA17"
10	23	" EP-EN 82/83 " changed to "EP83"
10	25	" EP-EN 82/83 " changed to "EP83"
10	25	" EP-EN 97/98 " changed to "EP98"
10	26	" COA-EN 17 " was changed to "COA17"
11	2	"3.4.1 EP-EN 82/83" changed to "3.4.1 Easter Pacific El Niño event EP83"
11	4-5	"16-NARANJAL PAGUA, 23-ISLA PUNA, 17-JUBONES, 14-TAURA, 13-GUAYAS, 15-CANAR, 12-ZAPOTAL, 21-PUYANGO, 18-SANTA ROSA, 19-ARENILLAS, and 20-ZARUMILLA" changed to "NARANJAL PAGUA, ISLA PUNA, JUBONES, TAURA, GUAYAS, CANAR, ZAPOTAL, PUYANGO, SANTA ROSA, ARENILLAS, and ZARUMILLA". Following Referee 3 instructions, the numbers of the catchments were eliminated along the text of the manuscript, as well as in Tables 2, 3 and 4.
11	6-7	"Table 2-a" changed to "Table 2a"

11	7	"Table 2-b" changed to "Table 2b"
11	8	"11-JIPIJAPA, 09-CHONE, 10-PORTOVIEJO, 07-MUISNE, and 08-JAMA" changed to "JIPIJAPA, CHONE, PORTOVIEJO, MUISNE, and JAMA"
11	9	"Table 2-a" changed to "Table 2a"
11	10	"P" changed to "p"
11	11	"Table 2-b" changed to "Table 2b"
11	12	" EP-EN 82/83 " changed to "EP83"
11	13	"P" changed to "p"
11	15	"29-MORONA, 28-PASTAZA, and 30-SANTIAGO" changed to "MORONA, PASTAZA, and SANTIAGO"
11	16	"Table 2-a" changed to "Table 2a"
11	19	"31-CHINCHIPE, 26-NAPO, 27-CUNAMBO, and 25 SM PUTUMAYO" changed to "CHINCHIPE, NAPO, CUNAMBO, and SM PUTUMAYO"
11	19-20	"01-CARCHI, 02-MIRA, 05-VERDE, 03-MATAJE, 04-CAYAPA and 06-ESMERALDAS" changed to "CARCHI, MIRA, VERDE, MATAJE, CAYAPA and ESMERALDAS"
11	20	"22-CHIRA" changed to "CHIRA"
11	21	"Table 2-a" changed to "Table 2a"
11	23	"Table 2-b" changed to "Table 2b"
11	24	"3.4.2 EP-EN 97/98" changed to "3.4.2 Easter Pacific El Niño event EP98"
11	25	" EP-EN 97/98 " changed to "EP98"
11	27-28	"14-JUBONES, 06-ESMERALDAS, 21-PUYANGO, 08-JAMA, 07-MUISNE, 13-GUAYAS, 16-NARANJAL PAGUA, 14-TAURA, 15-CANAR, 12-ZAPOTAL, 19-ARENILLAS, 18-SANTA ROSA, 20-ZARUMILLA, and 23-ISLA PUNA" changed to "JUBONES, ESMERALDAS, PUYANGO, JAMA, MUISNE, GUAYAS, NARANJAL PAGUA, TAURA, CANAR, ZAPOTAL, ARENILLAS, SANTA ROSA, ZARUMILLA, and ISLA PUNA"
11	30	"Table 3-a" changed to "Table 3a"
11	31	"06-ESMERALDAS" changed to "ESMERALDAS"
12	1	"Table 3-b" changed to "Table 3b"
12	2	"10-PORTOVIEJO, 09-CHONE and 11-JIPIJAPA" changed to "PORTOVIEJO, CHONE and JIPIJAPA"
12	5	"Table 3-a" changed to "Table 3a"
12	6	"Table 3-b" changed to "Table 3b"
12	7	" EP-EN 97/98 " changed to "EP98"
12	9	"03-MATAJE, 02-MIRA, 29-MORONA, 28-PASTAZA, 27-CUNAMBO, 30-SANTIAGO, 04-CAYAPA, 05-VERDE, and 22-CHIRA" changed to "MATAJE, MIRA, MORONA, PASTAZA, CUNAMBO, SANTIAGO, CAYAPA, VERDE, and CHIRA"
12	10	"Table 3-a" changed to "Table 3a"
12	11	"26-NAPO, 25-SM PUTUMAYO, 31-CHINCHIPE, and 01-CARCHI" changed to "NAPO, SM PUTUMAYO, CHINCHIPE, and CARCHI"
12	12	"Table 3-a" changed to "Table 3a"
12	13	"3.4.3 MIX-EN 15/16" changed to "3.4.3 Mixed El Niño event MIX16" Also, this entire section was moved from between sections 3.4.1 and 3.4.2 to its current position, between sections 3.4.2 and 3.4.4.
12	14	" MIX-EN 15/16 " was changed for "MIX16"
12	15-16	"08-JAMA, 09-CHONE, 19-ARENILLAS, 21-PUYANGO, and 20-ZARUMILLA" changed to "JAMA, CHONE, ARENILLAS, PUYANGO, and ZARUMILLA"
12	18	"31-CHINCHIPE" changed to "CHINCHIPE"

12	20	"3.4.4 COA-EN 17" changed to "3.4.4 Coastal El Niño event COA17"
12	21-23	"20-ZARUMILLA, 14-TAURA, 09-CHONE, 08-JAMA, 16-NARANJAL PAGUA, 15-CANAR, 13-GUAYAS, 17-JUBONES, 11-JIPIJAPA, 10-PORTOVIEJO, 12-ZAPOTAL, 23-ISLA PUNA, 22-CHIRA, 21-PUYANGO, and 18-SANTA ROSA" changed to "ZARUMILLA, TAURA, CHONE, JAMA, NARANJAL PAGUA, CANAR, GUAYAS, JUBONES, JIPIJAPA, PORTOVIEJO, ZAPOTAL, ISLA PUNA, CHIRA, PUYANGO, and SANTA ROSA"
12	23	"Table 4-a" changed to "Table 4a"
12	25	"Table 4-a" changed to "Table 4a"
12	26	"18-SANTA ROSA" changed to "SANTA ROSA"
12	27	" COA-EN 17 " was changed to "COA17"
12	28-29	"05-VERDE, 04-CAYAPAS, 03-MATAJE, 06-ESMERALDAS, 07-MUISNE, 25-SM PUTUMAYO, 02-MIRA, 27-CUNAMBO, 01-CARCHI, and 30-SANTIAGO" changed to "VERDE, CAYAPAS, MATAJE, ESMERALDAS, MUISNE, SM PUTUMAYO, MIRA, CUNAMBO, CARCHI, and SANTIAGO"
12	29	"29-MORONA, 28-PASTAZA, 26-NAPO, and 31-CHINCHIPE" changed to "MORONA, PASTAZA, NAPO, and CHINCHIPE"
12	29	"Table 4-a" changed to "Table 4a"
13	1	"19-ARENILLAS" changed to "ARENILLAS"
13	3	"Table 4-a and b" changed to "Table 4a and b"
13	11	" EP-EN 82/83, EP-EN 97/98, MIX-EN 15/16, and COA-EN 17 " changed to "EP83, EP98, MIX16, and COA17"
13	13	" EP-EN 82/83, EP-EN 97/98 " changed to "EP83, EP98"
13	13	" COA-EN 17 " was changed to "COA17"
13	13	An extra parenthesis was eliminated here.
13	17	" MIX-EN 15/16 " was changed for "MIX16"
13	24	"ie." was changed for "i.e."
13	31	" MIX-EN 15/16 " was changed for "MIX16"
14	6	"P" changed to "p"
14	6	" EP-EN 82/83 and EP-EN 97/98 " changed to "EP83 and EP98"
14	9	" EP-EN 97/98 " changed to "EP98"
14	11	" EP-EN 82/83 and COA-EN 17 " changed to "EP83 and COA17"
14	11	"P" changed to "p"
14	19	"P" changed to "p"
14	20	" EP-EN 97/98 " changed to "EP98"
14	22	" COA-EN 17 and EP-EN 82/83 " changed to "COA17 and EP83"
15	6	" EP-EN 82/83 and EP-EN 97/98 " changed to "EP83 and EP98"
15	6	" COA-EN 17 " was changed to "COA17"
15	10	"02-MIRA, 06-ESMERALDAS and part of 13-GUAYAS" changed to "MIRA, ESMERALDAS and part of GUAYAS"
15	11-12	"13-GUAYAS, 15-CANAR, 16-NARANJAL PAGUA, and 17-JUBONES" changed to "GUAYAS, CANAR, NARANJAL PAGUA, and JUBONES"
15	14	"22-CHIRA" changed to "CHIRA"
15	29	"24-GALAPAGOS" changed to "GALAPAGOS"
15	30-33	"19-ARENILLAS (SPDI 2.47 and SI 1.18), 08-JAMA (2.31 and 1.19), 18-SANTA ROSA (2.31 and 1.11), 09-CHONE (2.25 and 1.23), 12-ZAPOTAL (2.23 and 1.33), 16-NARANJAL PAGUA (2.22 and 1.10), 23-ISLA PUNA (2.22 and 1.27), 11-JIPIJAPA (2.19 and 1.27), 20-ZARUMILLA (2.17 and 1.19), 21-PUYANGO (2.16 and 1.19), 10-PORTOVIEJO (2.11 and 1.29), 14-TAURA (2.09 and 1.29), and

		13-GUAYAS (1.87 and 1.15)” changed to “ARENILLAS (SPDI 2.47 and SI 1.18), JAMA (2.31 and 1.19), SANTA ROSA (2.31 and 1.11), CHONE (2.25 and 1.23), ZAPOTAL (2.23 and 1.33), NARANJAL PAGUA (2.22 and 1.10), ISLA PUNA (2.22 and 1.27), JIPIJAPA (2.19 and 1.27), ZARUMILLA (2.17 and 1.19), PUYANGO (2.16 and 1.19), PORTOVIEJO (2.11 and 1.29), TAURA (2.09 and 1.29), and GUAYAS (1.87 and 1.15)”
16	15	“ EP-EN 97/98 ” changed to “EP98”
16	16	“ COA-EN 17 and EP-EN 82/83 ” changed to “COA17 and EP83”
17	17	The initials EZL, which refers to the new coauthor Ezequiel Zamora-Ledezma, were added
17	19	The initials EZL, which refers to the new coauthor Ezequiel Zamora-Ledezma, were added
17	20	The text “Revision and re-validation: DT, PRP, EZL, MLP” was added here
17	26-29	The text “This work was also supported by the mining canon (002-2019-P.CO-UNAH/FOCAM)” was eliminated and replaced by the text “This work was also supported by the Research Institute of Universidad Técnica de Manabí (UTM), Portoviejo, Ecuador and by the Programa de movilizaciones para investigación en Cambio Climatico-AMSUD 189-2020-FONDECYT. Finally, the authors wish to thank the anonymous reviewers for their recommendations which resulted in a significant improvement of the present work”
24	6	In captions to Figure 1 “:.” was changed to “.”
24	6	In captions to Figure 1 “km ² ” was changed to “km ² ”, twice
24	10	In captions to Figure 1 “km ² ” was changed to “km ² ”
25	1	As mentioned before, following recommendations from Referee 3, the labels changed from “Ia”, “IIa” and “IIIa”, to simply “a”. On the other side, the labels “Ib”, “IIb”, and “IIIb”, changed to “b”.
25	1	Inside each graph 2 legend, the text “EP-EN 82/83”, “EP-EN 97/98”, “MIX-EN 15/16” and “COA-EN 17” was changed to the according text “EP83”, “EP98”, “MIX16” and “COA17”
25	3	In captions to Figure 2 “:.” was changed to “.”
25	3	In captions to Figure 2 “(Ia, IIa, and IIIa):” was changed to “(a).”
25	4	In captions to Figure 2 “ EP-EN 82/83, EP-EN 97/98, MIX-EN 15/16 and COA-EN 17 ” was changed to “EP83, EP98, MIX16 and COA17”
25	4	In captions to Figure 2 “(Ib, IIb, and IIIb):” was changed to “(b).”
26	1	Inside each graph 3 “(I)”, “(II)” and “(III)” were changed to “(a)”, “(b)” and “(c)”, correspondingly
26	1	Inside each graph 3 the text “EP-EN 82/83”, “EP-EN 97/98” and “COA-EN 17” was changed to the according text “EP83”, “EP98” and “COA17”
26	1	Inside the graph AMAZON SLOPE – SPDI (b) the inset corrected to that belonging to the Amazon slope
26	2	In captions to Figure 3 “:.” was changed to “.”
26	3	In captions to Figure 3 “ EP-EN 82/83 ” changed to “EP83”
26	3	In captions to Figure 3 “(I)” was changed to “(a)”
26	3	In captions to Figure 3 “ EP-EN 97/98 ” changed to “EP98”
26	3	In captions to Figure 3 “(II)” was changed to “(b)”
26	3	In captions to Figure 3 “ COA-EN 17 ” changed to “COA17”
26	3	In captions to Figure 3 “(III)” was changed to “(c)”
27	5	Inside the graph 4 the text “EP-EN 82/83”, “EP-EN 97/98” and “COA-EN 17” was changed to the according text “EP83”, “EP98” and “COA17”
27	6	In captions to Figure 4 “:.” was changed to “.”
27	6	In captions to Figure 4 “ EP-EN 82/83 and EP-EN 97/98 , and the Coastal El Niño COA-EN 17 ” changed to “EP83 and EP98, and the Coastal El Niño COA17”
28	11	In captions to Figure 5 “:.” was changed to “.”

28	6	In captions to Figure 5 " EP-EN 82/83 and EP-EN 97/98 , and the Coastal El Niño COA-EN 17 " changed to "EP83 and EP98, and the Coastal El Niño COA17"
29	15	Inside the graph 4, the text in the inset was changed all to capital letters
29	16	In captions to Figure 6 ":" was changed to "."
29	17	In captions to Figure 6 " EP-EN 82/83 and EP-EN 97/98 , and the Coastal El Niño COA-EN 17 " changed to "EP83 and EP98, and the Coastal El Niño COA17"
31	25	In captions to Table 2 " EP-EN 82/83 " changed to "EP83"
31	27	In Table 2, the numeration originally assigned to each catchment was eliminated
32	30	In captions to Table 3 " EP-EN 97/98 " changed to "EP98"
32	32	In Table 3, the numeration originally assigned to each catchment was eliminated
33	35	In captions to Table 4 " COA-EN 17 " changed to "COA17"
33	37	In Table 4, the numeration originally assigned to each catchment was eliminated