

Supplementary:

Table S1. Percentage of SPI-1 index for fourteen stations under RCP4.5 and RCP8.5 scenario (2021–2050) (%).

SPI-1	RCP4.5				RCP8.5			
	Very wet	Moderately wet	Moderately dry	Severely dry	Very wet	Moderately wet	Moderately dry	Severely dry
Ainghia	0.0	2.2	2.2	0.3	0.0	2.2	2.2	0.3
Camle	0.0	2.5	3.1	0.0	0.3	0.6	1.1	0.0
Giaothuy	0.0	2.5	2.8	0.0	0.0	1.1	1.4	0.0
Caulau	0.3	2.2	1.7	0.3	0.0	0.6	0.8	0.0
Danang	0.0	2.8	2.5	0.0	0.0	1.9	1.1	0.3
Hien	0.0	1.4	1.4	0.3	0.0	0.0	0.0	0.0
Hiepduc	0.0	2.2	2.2	0.0	0.0	0.0	0.0	0.0
Hoian	0.3	1.4	1.9	0.3	0.0	0.0	0.0	0.0
Khamduc	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0
Nongson	0.0	1.9	2.2	0.0	0.0	0.0	0.0	0.0
Thanhmy	0.0	1.4	1.7	0.3	0.0	0.0	0.0	0.0
Queson	0.0	2.2	1.7	0.6	0.0	0.0	0.0	0.0
Tienphuoc	0.0	1.9	2.2	0.0	0.0	0.0	0.0	0.0
Tramy	0.0	1.9	1.9	0.0	0.0	0.0	0.0	0.0

Table S2. Percentage of SPI-3 index for fourteen stations under RCP4.5 and RCP8.5 scenario (2021–2050) (%).

SPI-3	RCP4.5				RCP8.5			
	Very wet	Moderately wet	Moderately dry	Severely dry	Very wet	Moderately wet	Moderately dry	Severely dry
Ainghia	0.0	2.2	3.6	0.0	0.0	2.8	1.4	0.0
Camle	0.0	1.4	3.4	0.0	0.0	2.0	2.2	0.0
Giaothuy	0.0	2.2	3.9	0.0	0.0	1.4	1.7	0.0
Caulau	0.6	1.4	2.2	0.0	0.0	0.3	1.4	0.0
Danang	0.0	1.1	3.1	0.0	0.0	2.5	1.4	0.3
Hien	0.0	2.0	2.5	0.0	0.0	0.0	0.0	0.0
Hiepduc	0.0	0.8	2.8	0.0	0.0	0.0	0.0	0.0
Hoian	0.0	1.4	3.6	0.0	0.0	0.0	0.0	0.0
Khamduc	0.3	1.7	1.1	0.0	0.0	0.0	0.0	0.0
Nongson	0.0	1.1	3.1	0.0	0.0	0.0	0.0	0.0
Thanhmy	0.0	2.0	3.1	0.0	0.0	0.0	0.0	0.0
Queson	0.0	1.7	3.1	0.0	0.0	0.0	0.0	0.0
Tienphuoc	0.3	1.1	3.4	0.0	0.0	0.0	0.0	0.0
Tramy	0.3	1.4	2.5	0.0	0.0	0.0	0.0	0.0

Table S3. Percentage of SPI-6 index for fourteen stations under RCP4.5 and RCP8.5 scenario (2021-2050) (%)

SPI-6	RCP4.5				RCP8.5			
	Very wet	Moderately wet	Moderately dry	Severely dry	Very wet	Moderately wet	Moderately dry	Severely dry
Ainghia	0.0	0.6	3.7	0.3	0.0	0.8	0.6	0.0
Camle	0.0	2.5	4.2	0.0	0.0	1.7	1.1	0.0
Giaothuy	0.0	1.1	4.2	0.3	0.0	0.8	0.3	0.0
Caulau	0.3	2.3	3.7	0.0	0.0	1.7	1.1	0.0
Danang	0.0	2.5	3.9	0.0	0.0	2.3	2.0	0.0
Hien	0.0	1.1	3.1	0.0	0.0	0.0	0.0	0.0
Hiepduc	0.0	0.6	4.5	0.0	0.0	0.0	0.0	0.0
Hoian	0.0	1.7	2.8	0.0	0.0	0.0	0.0	0.0
Khamduc	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0
Nongson	0.0	1.1	4.2	0.0	0.0	0.0	0.0	0.0
Thanhmy	0.0	1.7	3.7	0.0	0.0	0.0	0.0	0.0
Queson	0.0	1.1	4.2	0.0	0.0	0.0	0.0	0.0
Tienphuoc	0.0	0.6	5.1	0.0	0.0	0.0	0.0	0.0
Tramy	0.0	2.0	3.7	0.0	0.0	0.0	0.0	0.0

Table S4. Percentage of SPI-9 index for fourteen stations under RCP4.5 and RCP8.5 scenario (2021-2050) (%)

SPI-9	RCP4.5				RCP8.5			
	Very wet	Moderately wet	Moderately dry	Severely dry	Very wet	Moderately wet	Moderately dry	Severely dry
Ainghia	0.0	0.3	4.0	0.3	0.0	0.3	0.9	0.0
Camle	0.0	3.1	4.5	0.0	0.0	3.7	0.6	0.0
Giaothuy	0.0	1.4	4.0	0.0	0.0	0.3	0.0	0.0
Caulau	0.3	2.8	3.1	0.0	0.0	0.3	2.8	0.0
Danang	0.0	3.4	4.0	0.0	0.0	2.6	2.8	0.0
Hien	0.0	1.1	3.1	0.3	0.0	0.0	0.0	0.0
Hiepduc	0.0	0.3	6.0	0.0	0.0	0.0	0.0	0.0
Hoian	0.0	0.3	1.7	0.0	0.0	0.0	0.0	0.0
Khamduc	0.0	1.4	3.1	0.0	0.0	0.0	0.0	0.0
Nongson	0.0	0.3	4.5	0.0	0.0	0.0	0.0	0.0
Thanhmy	0.0	0.3	4.0	0.0	0.0	0.0	0.0	0.0
Queson	0.0	0.6	4.3	0.0	0.0	0.0	0.0	0.0
Tienphuoc	0.0	2.0	5.4	0.0	0.0	0.0	0.0	0.0
Tramy	0.0	2.6	4.0	0.0	0.0	0.0	0.0	0.0

Table S5. Percentage of SPI-12 index for fourteen stations under RCP4.5 and RCP8.5 scenario (2021-2050) (%)

SPI-12	RCP4.5				RCP8.5			
	Very wet	Moderately wet	Moderately dry	Severely dry	Very wet	Moderately wet	Moderately dry	Severely dry
Ainghia	0.0	0.3	2.3	0.0	0.0	0.0	0.0	0.0
Camle	0.0	2.6	3.7	0.0	0.0	4.6	0.3	0.0
Giaothuy	0.0	1.1	3.2	0.0	0.0	0.0	0.0	0.0
Caulau	0.0	3.4	1.7	0.3	0.0	0.0	2.3	0.0
Danang	0.0	3.7	4.6	0.0	0.0	2.0	1.4	0.0
Hien	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0
Hiepduc	0.0	0.3	6.3	0.0	0.0	0.0	0.0	0.0
Hoian	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0
Khamduc	0.0	0.6	4.0	0.0	0.0	0.0	0.0	0.0
Nongson	0.0	0.3	3.7	0.0	0.0	0.0	0.0	0.0
Thanhmy	0.0	0.3	3.4	0.0	0.0	0.0	0.0	0.0
Queson	0.0	0.9	4.0	0.0	0.0	0.0	0.0	0.0
Tienphuoc	0.0	0.9	6.0	0.3	0.0	0.0	0.0	0.0
Tramy	0.0	2.0	4.6	0.0	0.0	0.0	0.0	0.0

Table S6. Percentage of SPI-24 index for fourteen stations under RCP4.5 and RCP8.5 scenario (2021-2050) (%)

SPI-24	RCP4.5				RCP8.5			
	Very wet	Moderately wet	Moderately dry	Severely dry	Very wet	Moderately wet	Moderately dry	Severely dry
Ainghia	0.0	2.4	0.9	0.0	0.0	0.0	0.0	0.0
Camle	0.0	1.8	0.3	0.0	0.0	1.2	1.2	0.0
Giaothuy	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0
Caulau	0.0	5.9	6.5	0.0	0.0	0.0	0.0	0.0
Danang	0.0	3.6	0.3	0.0	0.0	0.0	1.5	0.0
Hien	0.0	0.3	6.2	0.0	0.0	0.0	0.0	0.0
Hiepduc	0.0	3.6	5.0	0.0	0.0	0.0	0.0	0.0
Hoian	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0
Khamduc	0.0	1.8	5.6	0.0	0.0	0.0	0.0	0.0
Nongson	0.0	2.7	3.9	0.0	0.0	0.0	0.0	0.0
Thanhmy	0.0	0.3	5.6	0.0	0.0	0.0	0.0	0.0
Queson	0.0	2.4	1.8	0.0	0.0	0.0	0.0	0.0
Tienphuoc	0.0	1.8	4.5	0.0	0.0	0.0	0.0	0.0
Tramy	0.0	4.2	5.0	0.0	0.0	0.0	0.0	0.0