

**Table S1.** Most contributing seismic scenarios for Alexandroupoli for a return period of 475 years.

IM		PGA			PGV		Sa (0.15 s)		
SM	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$
SHARE_Area	6.1	17	1.3	5.9	11	0.9	5.1	13	1.5
SHARE_FB	6.3	23	1.7	6.3	23	1.9	6.3	23	1.7
PZ01_SHAREB	6.3	3	0.1	6.3	3	0.1	6.3	3	0.1
TAP faults_SHAREB	6.3	3	0.1	6.3	3	0.1	6.3	3	0.1

**Table S2.** Most contributing seismic scenarios for Drama for a return period of 475 years.

IM		PGA			PGV		Sa (0.15 s)		
SM	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$
SHARE_Area	5.5	11	0.7	5.5	11	0.9	5.5	11	0.7
SHARE_FB	5.1	11	1.3	6.5	5	-0.1	5.1	11	1.3
PZ01_SHAREB	7.1	7	0.1	6.9	7	-0.1	7.1	7	0.3
TAP faults_SHAREB	6.3	5	0.1	6.3	5	0.1	6.3	5	0.1

**Table S3.** Most contributing seismic scenarios for Kavala for a return period of 475 years.

IM		PGA			PGV		Sa (0.15 s)		
SM	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$
SHARE_Area	4.9	13	1.3	5.5	11	0.5	4.9	13	1.3
SHARE_FB	4.9	13	1.3	5.7	11	0.7	4.9	13	1.3
PZ01_SHAREB	4.9	13	1.3	5.7	11	0.7	4.9	13	1.3
TAP faults_SHAREB	4.9	13	1.5	5.7	11	0.7	4.9	13	1.5

**Table S4.** Most contributing seismic scenarios for Komotini for a return period of 475 years.

IM		PGA			PGV		Sa (0.15 s)		
SM	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$
SHARE_Area	6.1	11	0.5	6.1	11	0.5	6.1	11	0.7
SHARE_FB	5.1	11	1.5	5.9	9	0.7	5.1	11	1.5
PZ01_SHAREB	6.1	1	-0.1	6.1	1	-0.1	6.1	1	-0.1
TAP faults_SHAREB	6.1	5	0.1	6.1	5	0.1	6.1	5	0.1

**Table S5.** Most contributing seismic scenarios for Samothraki for a return period of 475 years.

IM		PGA			PGV		Sa (0.15 s)		
SM	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$
SHARE_Area	6.1	9	0.7	6.1	9	0.7	6.1	9	0.9
SHARE_FB	5.7	11	1.1	7.1	21	1.1	5.7	11	1.1
PZ01_SHAREB	5.7	11	1.5	5.7	11	1.5	5.7	11	1.5
TAP faults_SHAREB	6.3	5	0.9	6.9	21	1.1	6.3	5	0.9

**Table S6.** Most contributing seismic scenarios for Xanthi for a return period of 475 years.

IM	PGA			PGV			Sa (0.15 s)		
SM	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$
SHARE_Area	5.7	11	0.5	5.7	11	0.5	4.9	13	1.7
SHARE_FB	4.9	13	1.7	5.9	11	0.7	4.9	13	1.7
PZ01_SHAREB	6.1	5	0.1	6.1	5	0.1	6.1	5	0.3
TAP faults_SHAREB	6.3	1	-0.1	6.3	1	-0.1	6.3	1	-0.1

**Table S7.** Most contributing seismic scenarios for Alexandroupoli for a return period of 955 years.

IM	PGA			PGV			Sa (0.15 s)		
SM	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$
SHARE_Area	6.1	17	1.3	5.9	11	0.9	5.1	13	1.5
SHARE_FB	6.3	23	1.7	6.3	23	1.9	6.3	23	1.7
PZ01_SHAREB	6.3	3	0.1	6.3	3	0.1	6.3	3	0.1
TAP faults_SHAREB	6.3	3	0.1	6.3	3	0.1	6.3	3	0.1

**Table S8.** Most contributing seismic scenarios for Drama for a return period of 955 years.

IM	PGA			PGV			Sa (0.15 s)		
SM	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$
SHARE_Area	5.5	11	1.1	5.5	11	1.3	5.5	11	1.1
SHARE_FB	6.5	5	0.3	6.5	5	0.3	6.5	5	0.5
PZ01_SHAREB	6.7	7	0.7	7.1	7	0.3	6.9	7	0.9
TAP faults_SHAREB	6.3	5	0.5	6.3	5	0.5	6.3	5	0.5

**Table S9.** Most contributing seismic scenarios for Kavala for a return period of 955 years.

IM	PGA			PGV			Sa (0.15 s)		
SM	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$
SHARE_Area	5.5	11	0.7	5.5	11	0.9	5.5	11	0.7
SHARE_FB	5.7	11	1.1	5.7	11	1.1	5.7	11	1.1
PZ01_SHAREB	4.9	13	1.7	5.7	11	1.1	4.9	13	1.7
TAP faults_SHAREB	5.7	11	1.1	5.7	11	1.1	5.7	11	1.1

**Table S10.** Most contributing seismic scenarios for Komotini for a return period of 955 years.

IM	PGA			PGV			Sa (0.15 s)		
SM	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$
SHARE_Area	6.1	11	1.3	6.1	11	1.3	6.1	11	1.3
SHARE_FB	6.3	7	0.7	6.3	7	0.7	6.3	7	0.7
PZ01_SHAREB	6.1	1	0.3	6.1	1	0.7	6.1	1	0.3
TAP faults_SHAREB	6.1	5	0.7	6.3	5	0.5	6.1	5	0.7

**Table S11.** Most contributing seismic scenarios for Samothraki for a return period of 955 years.

IM	PGA			PGV			Sa (0.15 s)		
SM	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$
SHARE_Area	6.1	9	1.1	6.1	9	1.1	6.1	9	1.1
SHARE_FB	6.1	9	1.1	7.1	21	1.3	5.7	11	1.7
PZ01_SHAREB	5.7	11	1.7	5.7	11	1.7	5.7	11	1.7
TAP faults_SHAREB	6.3	5	1.1	7.1	21	1.3	6.3	5	1.3

**Table S12.** Most contributing seismic scenarios for Xanthi for a return period of 955 years.

IM	PGA			PGV			Sa (0.15 s)		
SM	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$	M	R (km)	$\epsilon$
SHARE_Area	5.7	11	0.9	5.7	11	1.1	5.7	11	0.9
SHARE_FB	6.1	9	0.9	6.1	9	0.9	6.1	9	0.9
PZ01_SHAREB	6.3	5	0.5	6.3	5	0.5	6.3	5	0.5
TAP faults_SHAREB	6.3	1	-0.1	6.3	1	0.1	6.3	1	-0.1