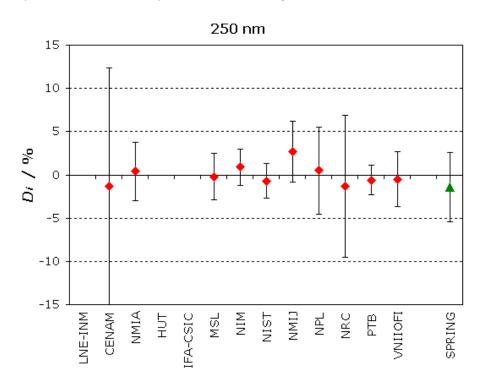
Spectral irradiance 2001 - 2003

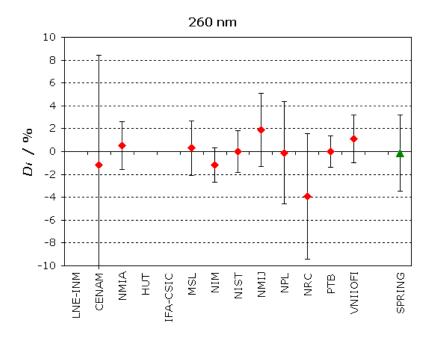
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 250 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



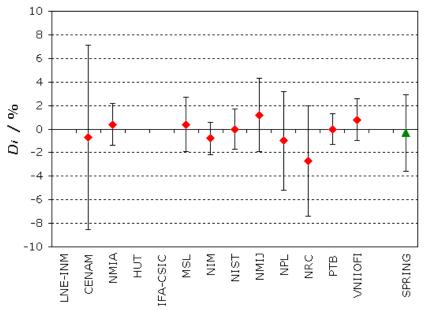
SPRING Singapore participated in the bilateral comparison CCPR-K1.a.1.

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 260 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



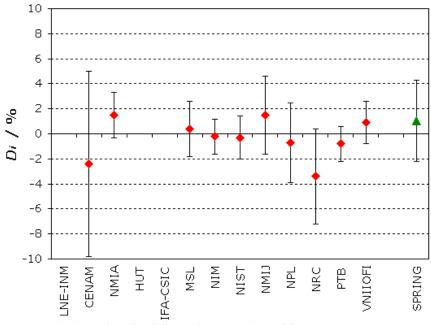
### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 270 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 270 nm



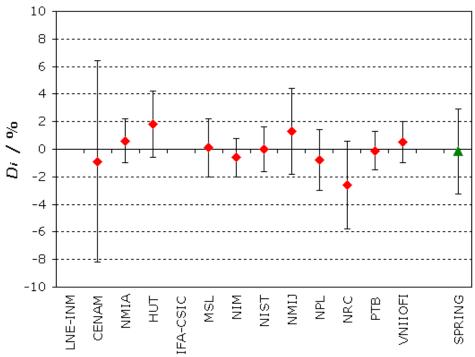
**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1.

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 280 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 280 nm



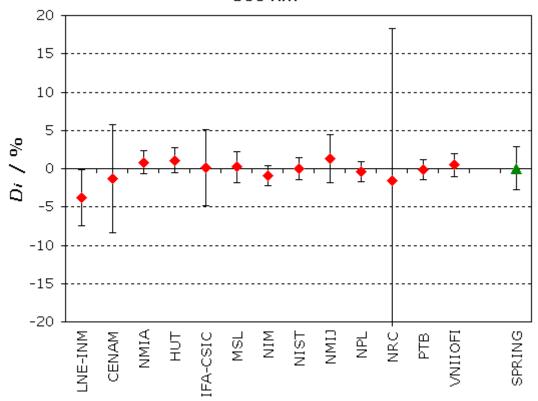
CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 290 nm egrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 290 nm

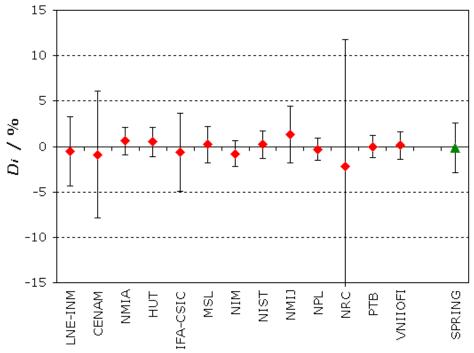


SPRING Singapore participated in the bilateral comparison CCPR-K1.a.1.

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 300 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 300 nm

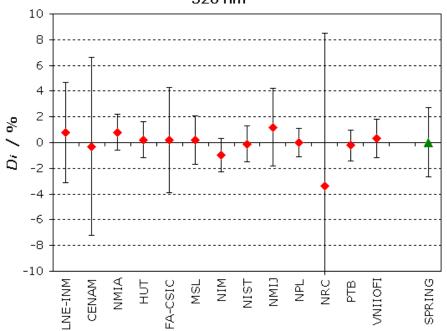


## CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 310 nm Degrees of equivalence $D_i$ and expanded uncertainty $U_i$ (k = 2), in % 310 nm



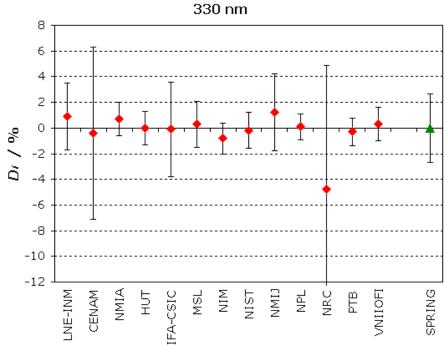
**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1.

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 320 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 320 nm



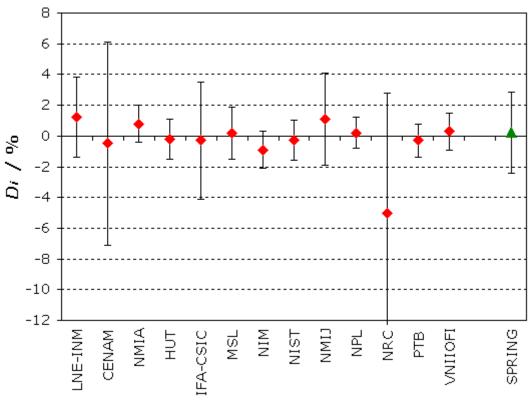
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 330 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %

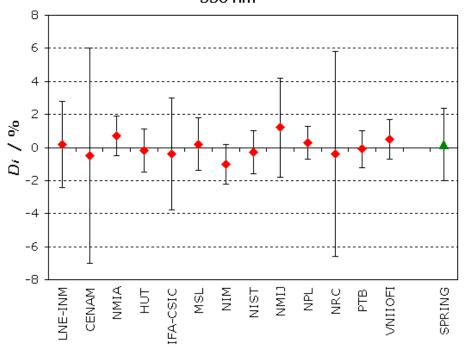


**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1.

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 340 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 340 nm

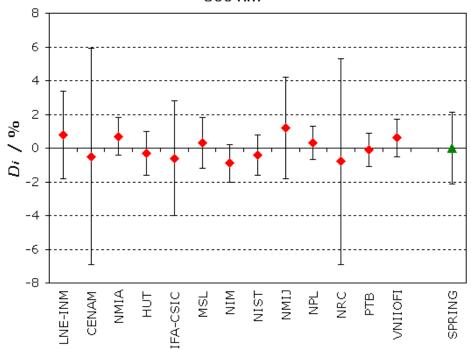


## CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 350 nm Degrees of equivalence $D_i$ and expanded uncertainty $U_i$ (k = 2), in % 350 nm



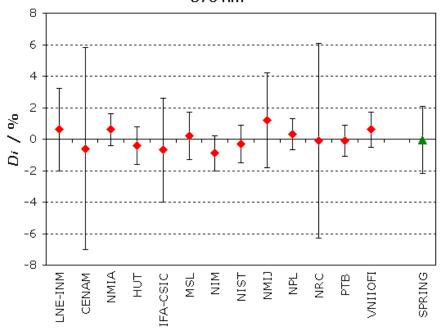
**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1.

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 360 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k=2), in % 360 nm



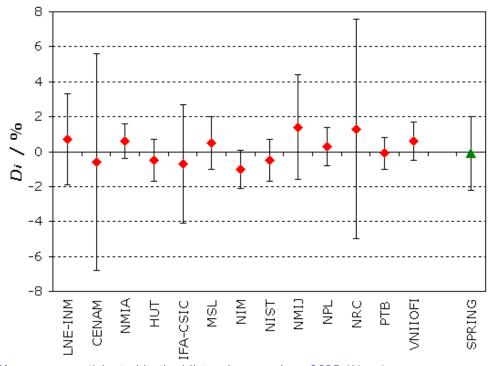
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 370 nm Degrees of equivalence $D_i$ and expanded uncertainty $U_i$ (k = 2), in %

370 nm



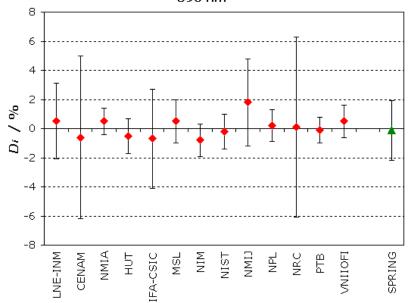
**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1.

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 380 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 380 nm



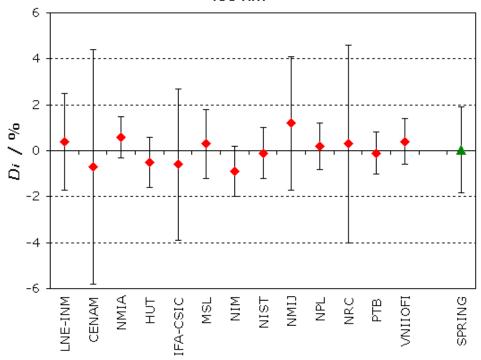
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 390 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 390 nm



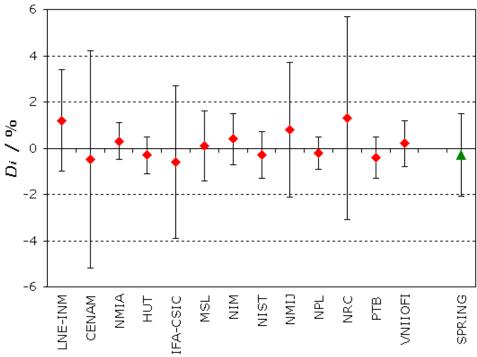
SPRING Singapore participated in the bilateral comparison CCPR-K1.a.1.

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 400 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 400 nm



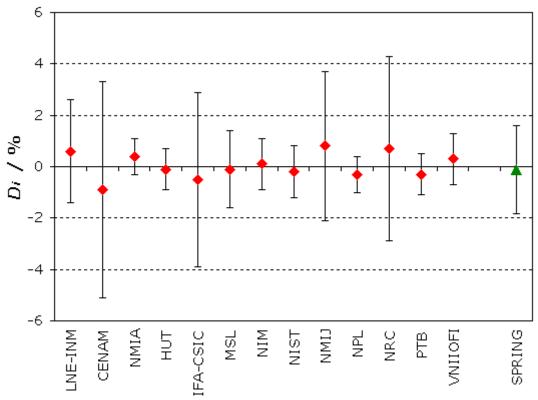
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 450 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 450 nm

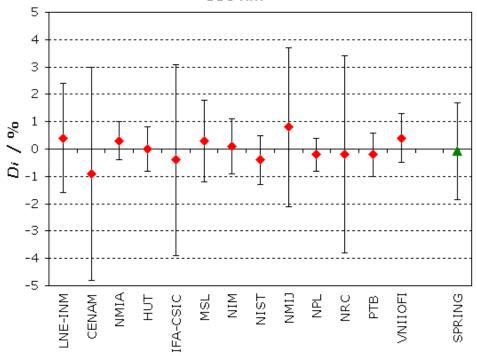


**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1.

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 500 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 500 nm

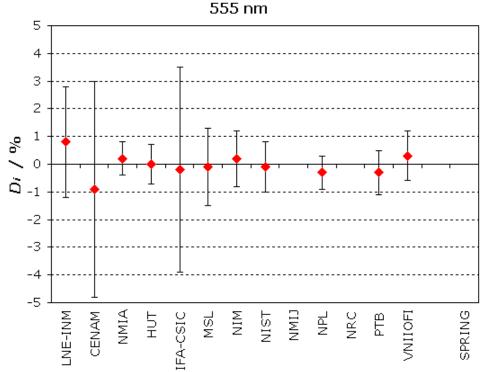


# CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 550 nm Degrees of equivalence $D_i$ and expanded uncertainty $U_i$ (k = 2), in % 550 nm



**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1.

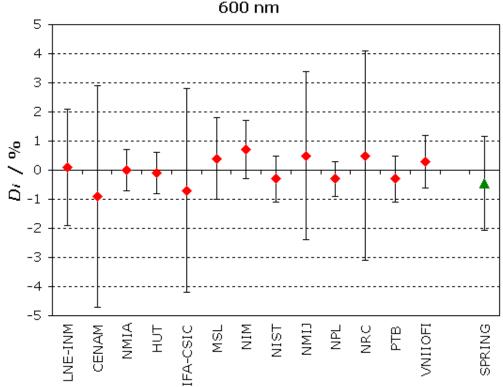
CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 555 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



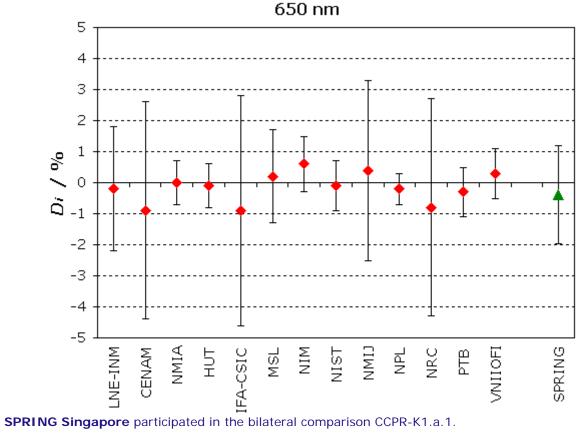
**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1 (no values for 555 nm).

#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 600 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %

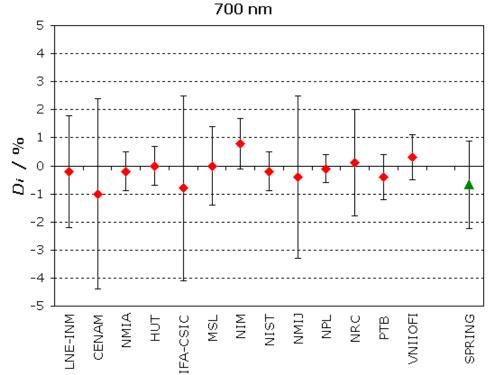


CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 650 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



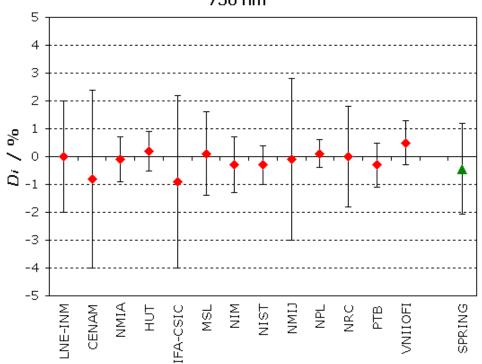
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 700 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



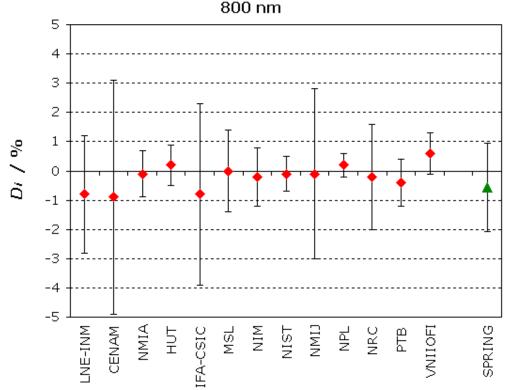
**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1.

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 750 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 750 nm



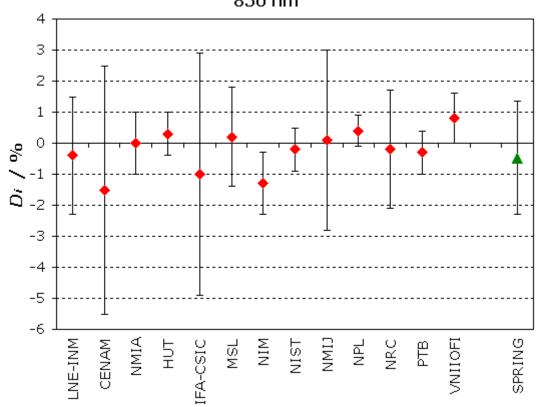
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 800 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



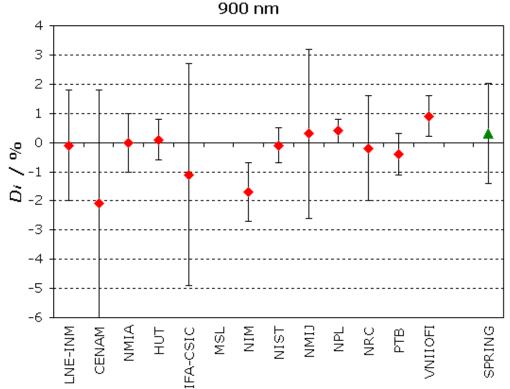
**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 850 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 850 nm



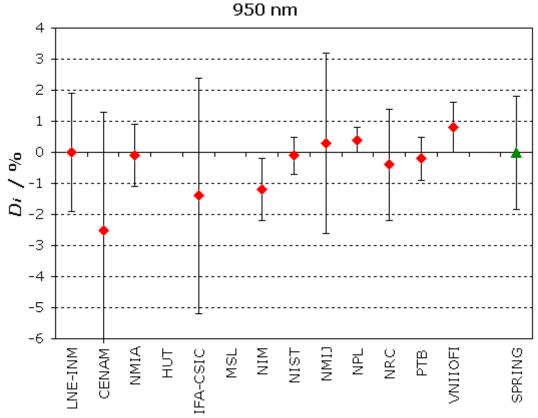
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 900 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



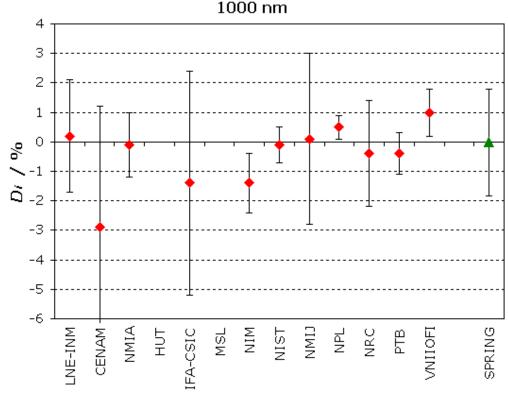
**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1.

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 950 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



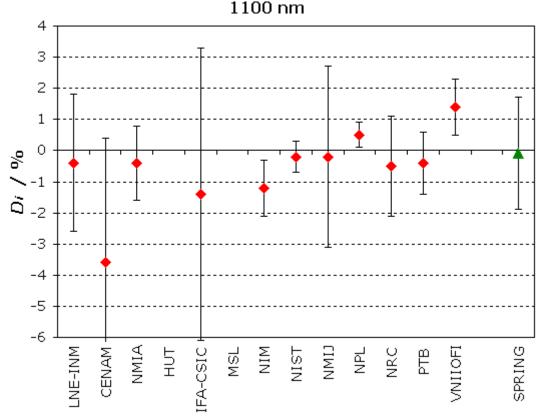
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 1000 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



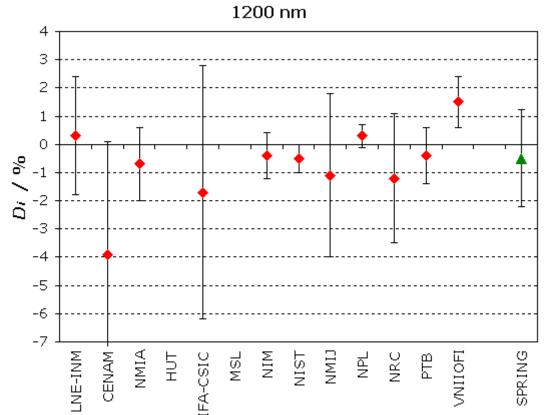
**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1.

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 1100 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



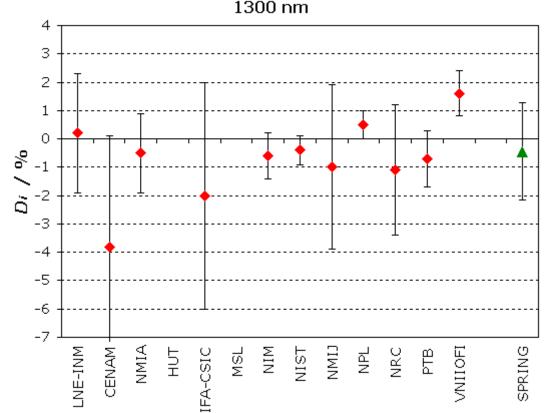
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 1200 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



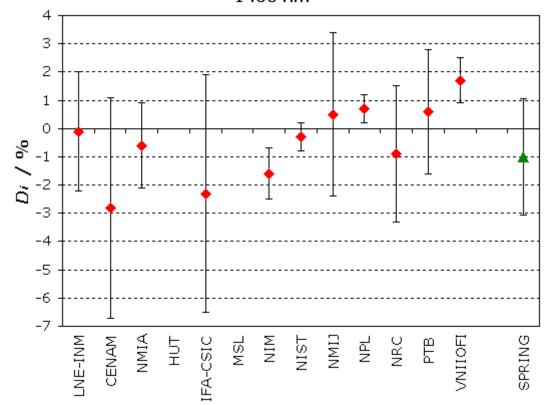
SPRING Singapore participated in the bilateral comparison CCPR-K1.a.1

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 1300 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



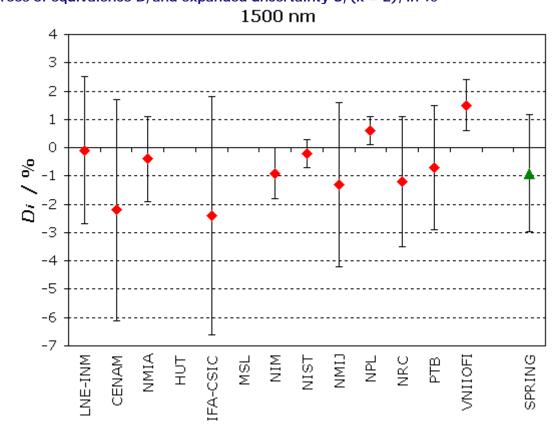
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 1400 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 1400 nm



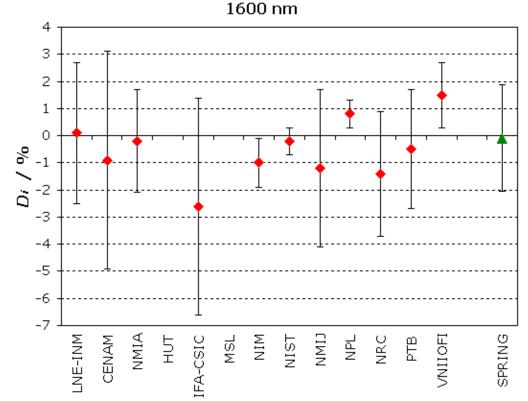
SPRING Singapore participated in the bilateral comparison CCPR-K1.a.1

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 1500 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



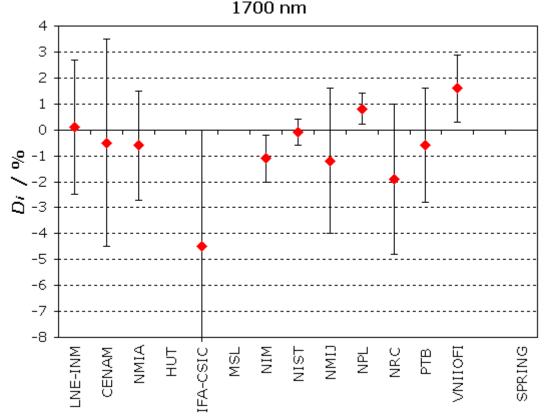
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 1600 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



SPRING Singapore participated in the bilateral comparison CCPR-K1.a.1.

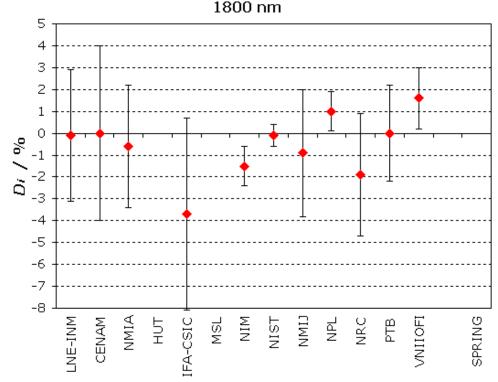
CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 1700 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1, which did not cover the domain above 1600 nm.

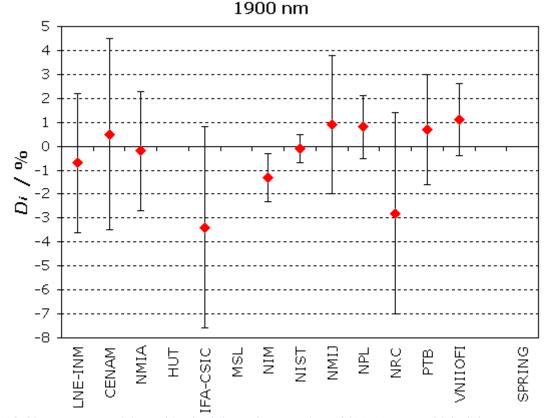
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 1800 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1, which did not cover the domain above 1600 nm.

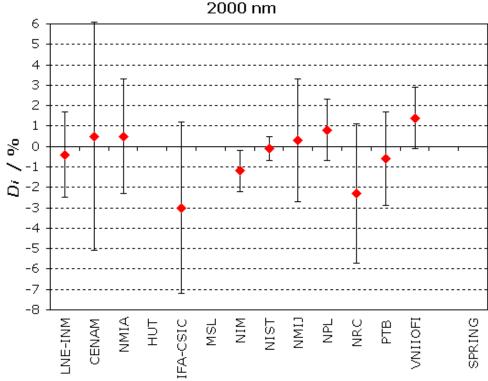
### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 1900 nm Degrees of equivalence $D_i$ and expanded uncertainty $U_i$ (k = 2), in %



**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1, which did not cover the domain above 1600 nm.

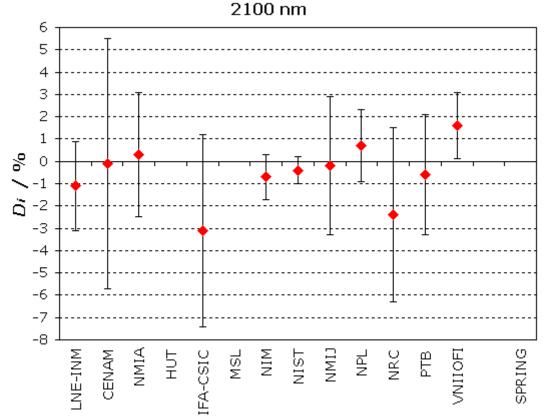
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 2000 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1, which did not cover the domain above 1600 nm.

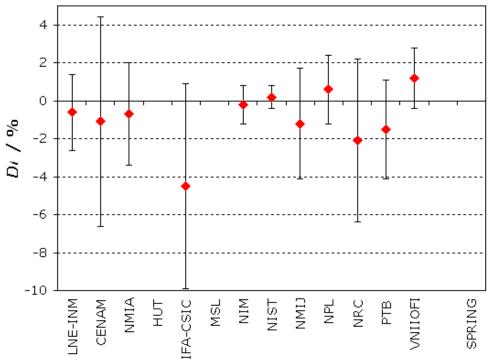
CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 2100 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1, which did not cover the domain above 1600 nm.

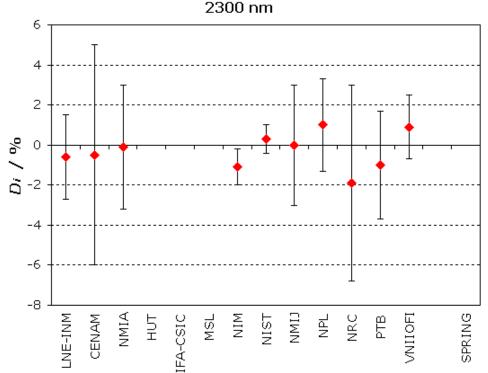
#### CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 2200 nm

Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in % 2200 nm



**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1, which did not cover the domain above 1600 nm

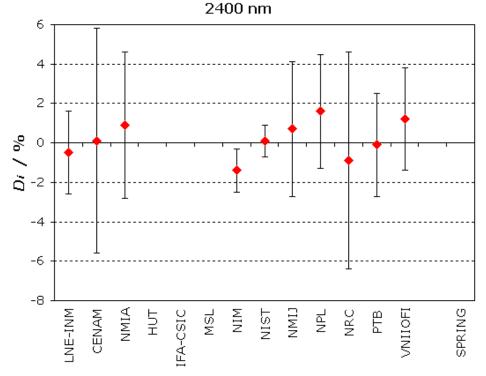
CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 2300 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1, which did not cover the domain above 1600 nm.

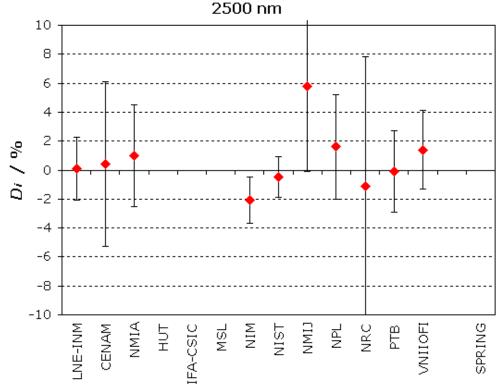
CCPR-K1.a and CCPR-K1.a.1

### Spectral irradiance at 2400 nm Degrees of equivalence $D_i$ and expanded uncertainty $U_i$ (k=2), in %



**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1, which did not cover the domain above 1600 nm.

CCPR-K1.a and CCPR-K1.a.1 Spectral irradiance at 2500 nm Degrees of equivalence  $D_i$  and expanded uncertainty  $U_i$  (k = 2), in %



**SPRING Singapore** participated in the bilateral comparison CCPR-K1.a.1, which did not cover the domain above 1600 nm