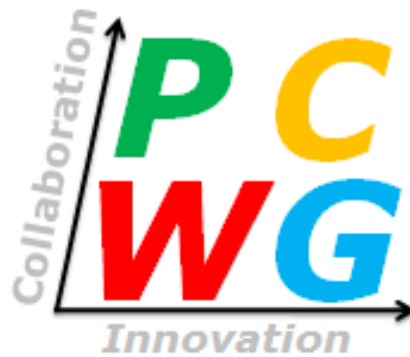
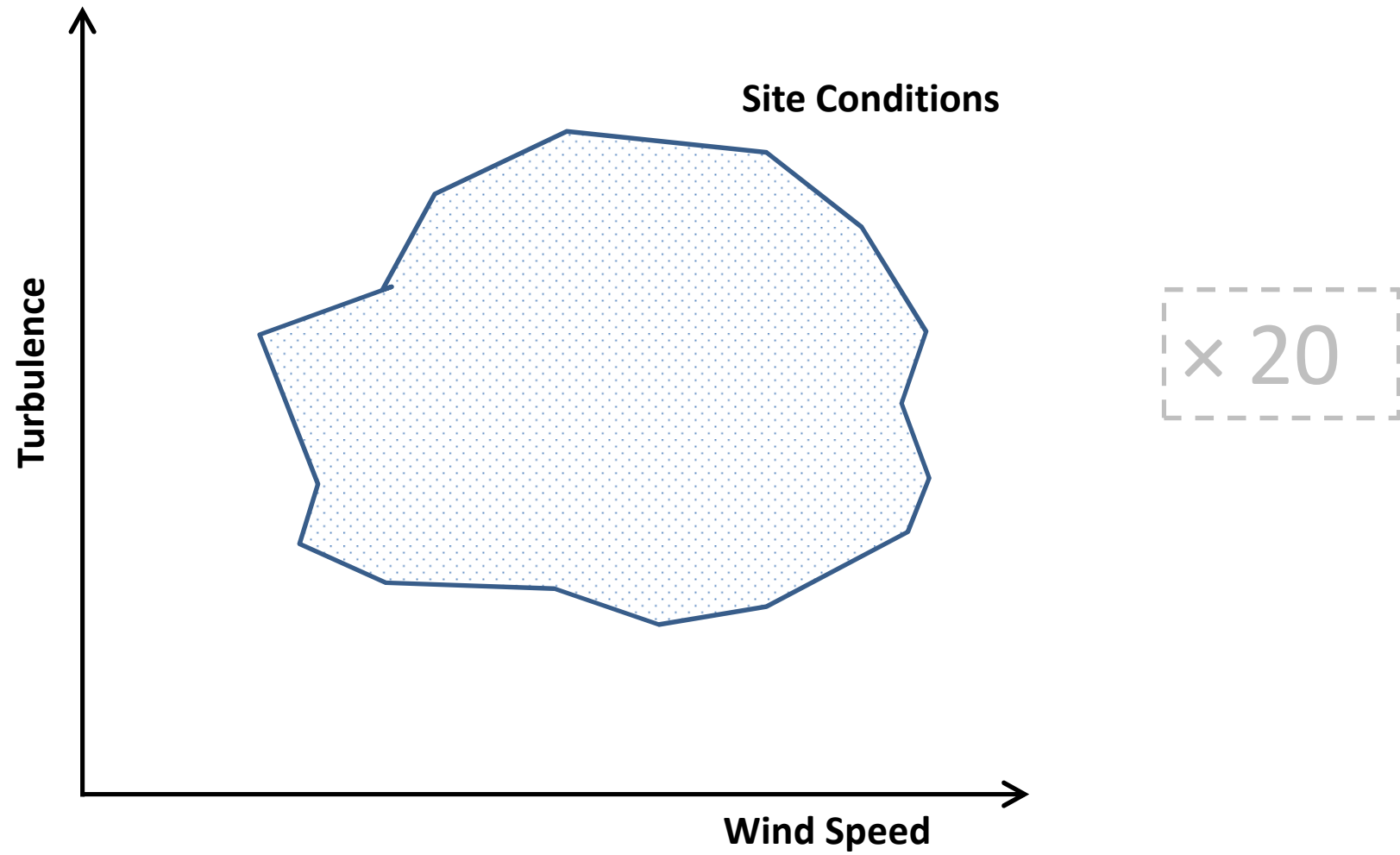


PCWG Data Sharing Trial Run

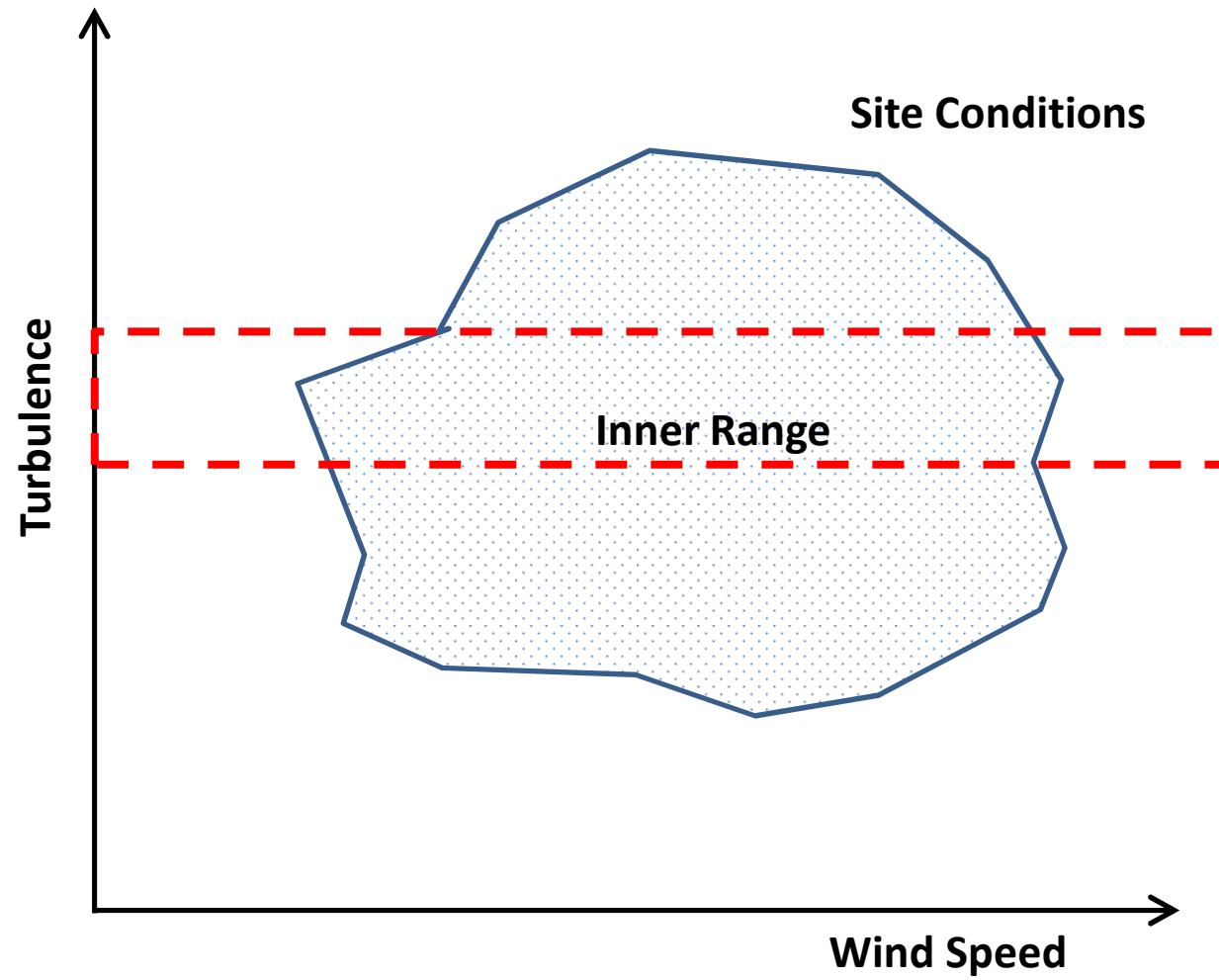
March 2015, Hamburg



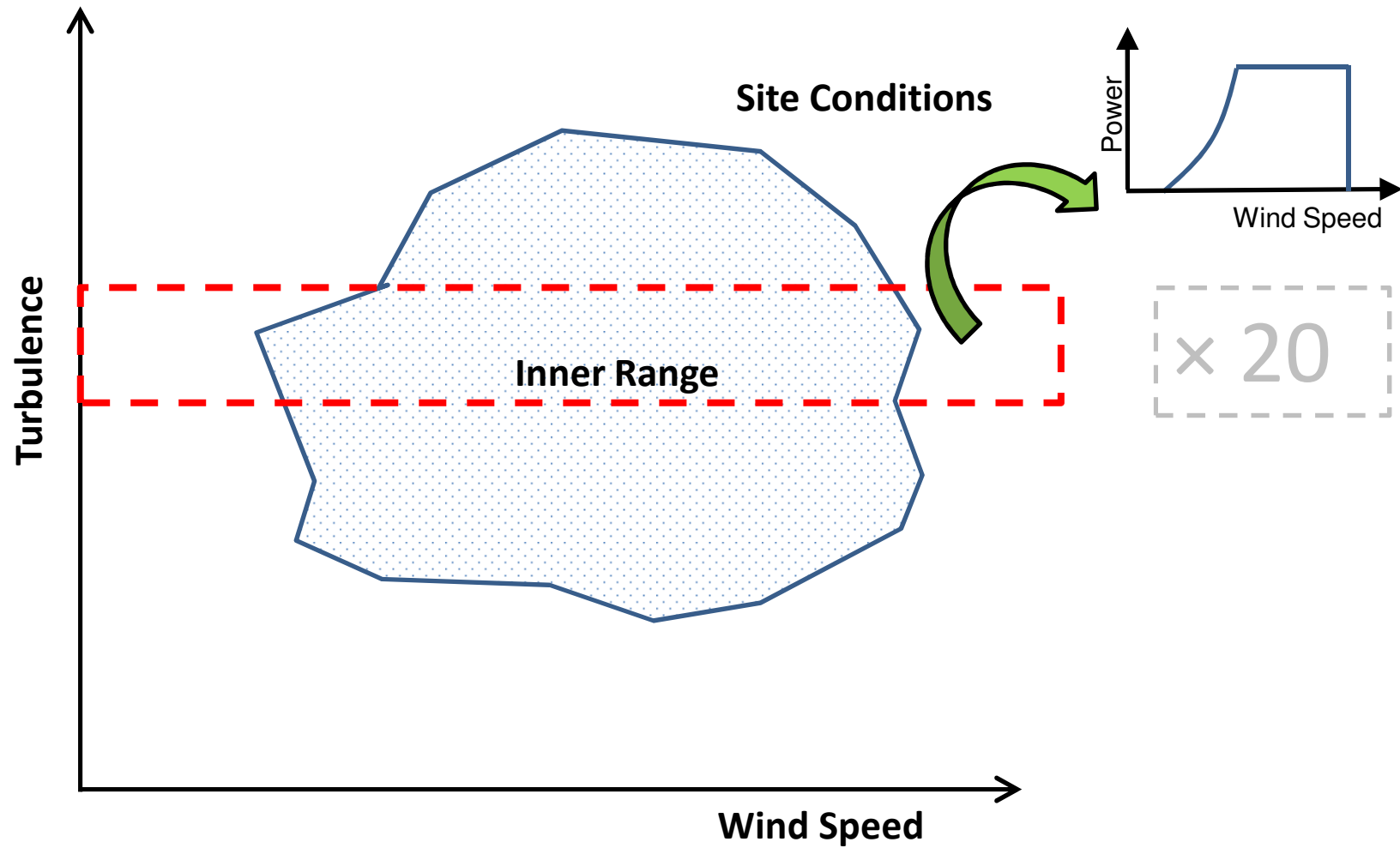
1) 20 data files synthetic data files were generated with a range of site conditions



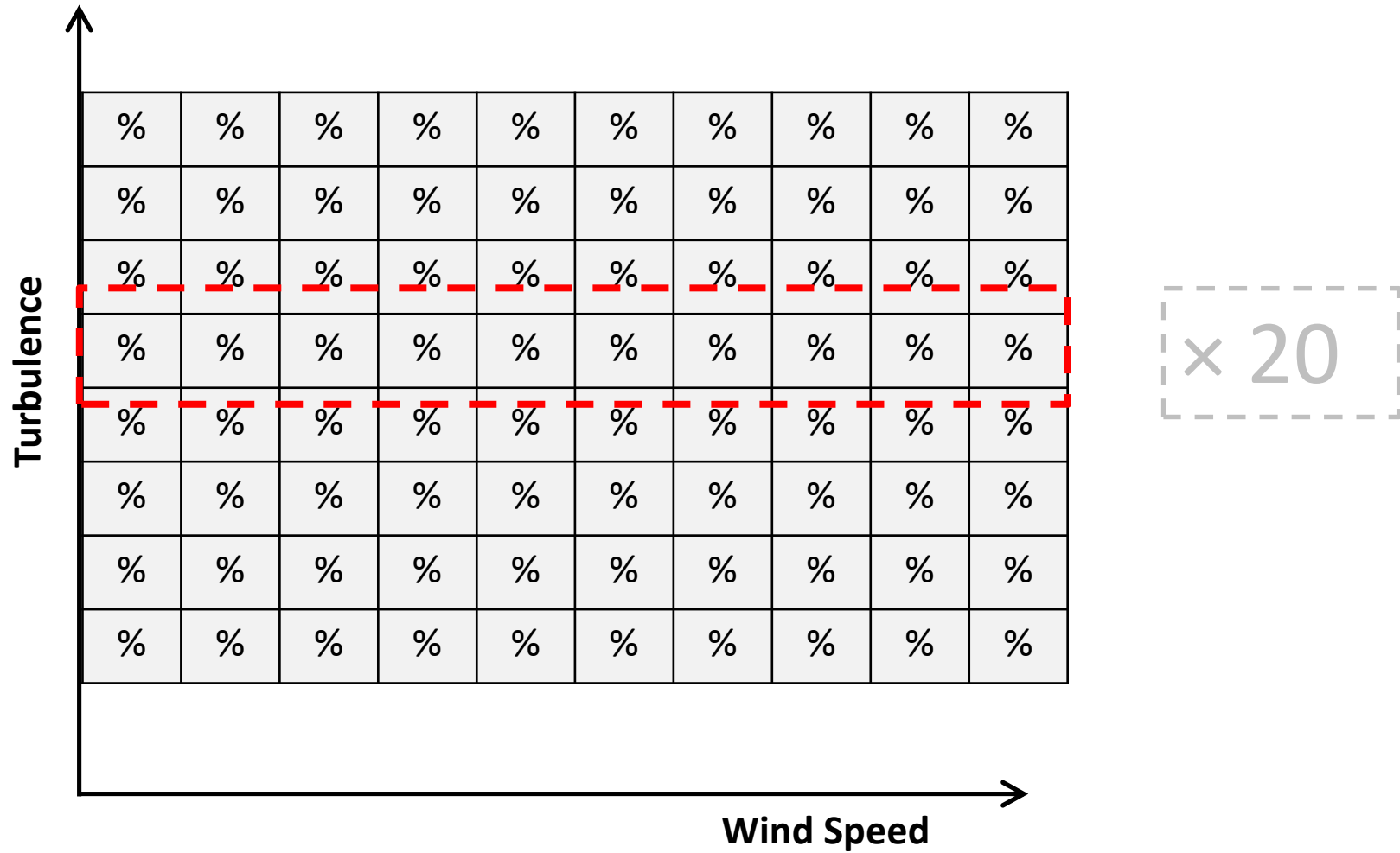
2) Each participant extracted an Inner Range Power Curve From their dataset



2) Each participant extracted an Inner Range Power Curve From their dataset



3) Each participant used their inner range power curve and dataset to derive a power deviation matrix

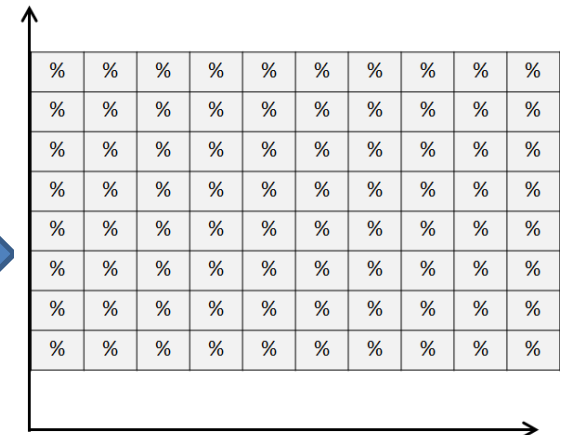


4) The individual power deviation matrices were aggregated to form a single matrix

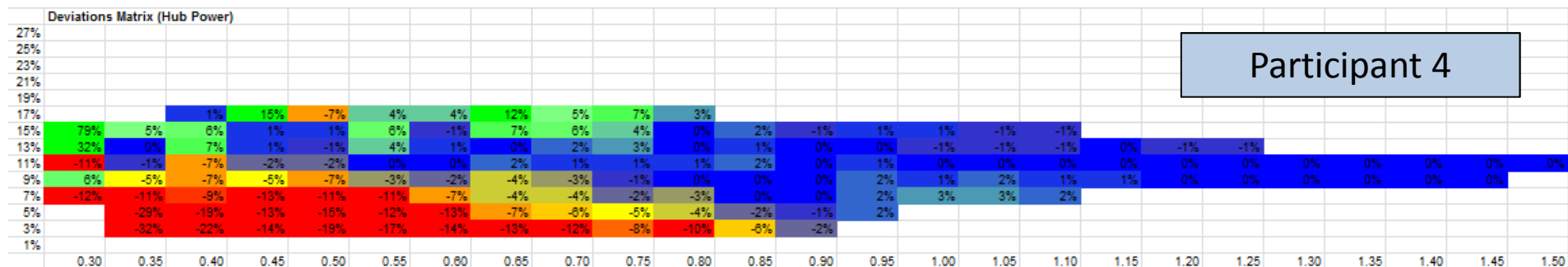
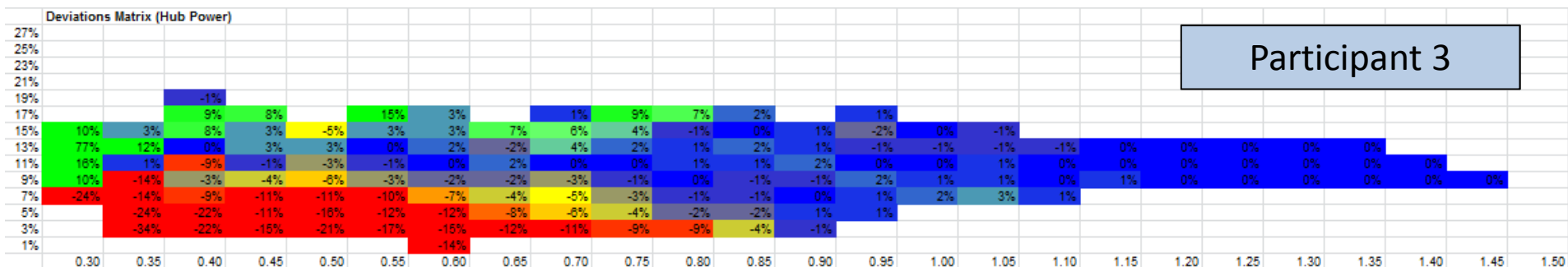
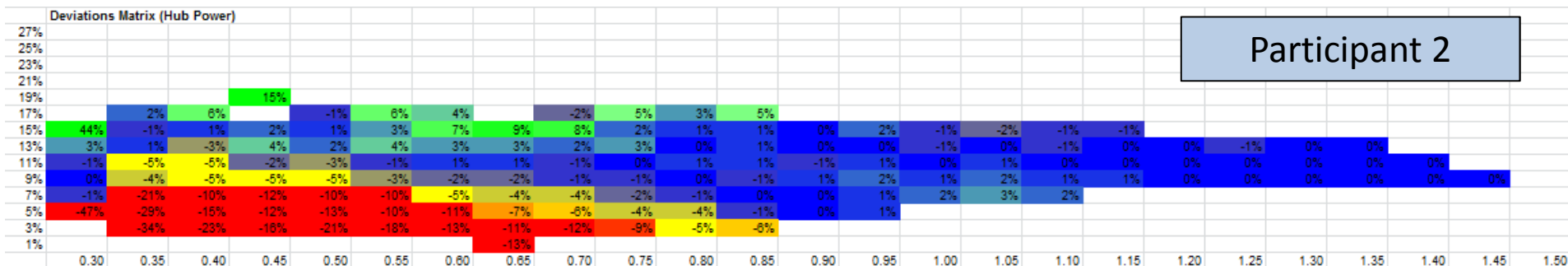
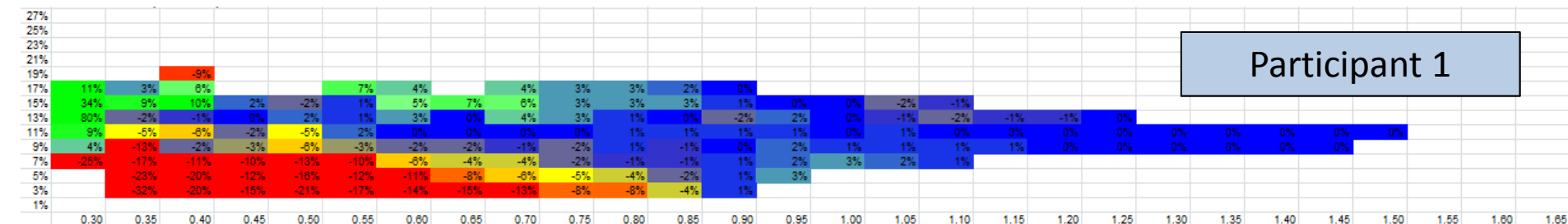
Per participant matrices



Aggregated Matrix



Individual Results



Aggregated Results

| | Deviations Matrix (Hub Power): difference between actual power curve and inner range (TI) power curve | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| 27% | | | | | | | | | | | | | | | | | | | | | | | | |
| 25% | | | | | | | | | | | | | | | | | | | | | | | | |
| 23% | | | | | | | | | | | | | | | | | | | | | | | | |
| 21% | | -1% | | | | | | | | | | | | | | | | | | | | | | |
| 19% | | 8% | -5% | 9% | 8% | | 7% | 17% | 11% | | | -2% | | | | | | | | | | | | |
| 17% | 10% | 6% | 2% | 11% | 1% | 5% | 3% | 7% | 2% | 6% | 5% | 2% | 2% | 0% | -3% | | | | | | | | | |
| 15% | 17% | 3% | 5% | 2% | 0% | 4% | 3% | 6% | 6% | 4% | 1% | 1% | 0% | 0% | -1% | -1% | -2% | -1% | -2% | -1% | | | | |
| 13% | 31% | 1% | 3% | 3% | 1% | 2% | 2% | 1% | 2% | 3% | 0% | 1% | 0% | 0% | -1% | -1% | -1% | -1% | -1% | 0% | 0% | 0% | 0% | |
| 11% | 2% | -2% | -5% | -3% | -3% | 0% | 0% | 1% | 0% | 0% | 1% | 1% | 0% | 1% | 0% | 1% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | |
| 9% | 11% | -9% | -6% | -5% | -5% | -2% | -3% | -2% | -2% | -1% | 0% | 0% | 0% | 2% | 1% | 1% | 1% | 1% | 0% | 0% | 0% | 0% | 0% | |
| 7% | -19% | -17% | -12% | -11% | -11% | -8% | -7% | -4% | -4% | -2% | -1% | -1% | 0% | 2% | 2% | 3% | 1% | 1% | | | | | | |
| 5% | -39% | -28% | -19% | -12% | -15% | -12% | -11% | -7% | -7% | -5% | -3% | -2% | 0% | 2% | 4% | | | | | | | | | |
| 3% | | -33% | -21% | -14% | -20% | -17% | -15% | -13% | -11% | -8% | -8% | -5% | -2% | 2% | | | | | | | | | | |
| 1% | | | | -8% | | -13% | -13% | -13% | -14% | | | -5% | | | | | | | | | | | | |
| | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.55 | 0.60 | 0.65 | 0.70 | 0.75 | 0.80 | 0.85 | 0.90 | 0.95 | 1.00 | 1.05 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 1.40 | |

Data Sharing Discussion

- What do we want to learn?
- How will we learn it?
 - What analysis will we do?
 - What correction methods will we test?
- How will we normalise/anonymised the results?
- How will we combine the results?
- What are the time scales?
- What needs to happen to the analysis tool to support this?
- Should the results be split and sent to two separate aggregators?