CONCLUSIONS

1. **The case of extreme values is completely different from the case of mean values and requires especial statistical tools**. Fail to recognize this feature leads to fatal errors.

2. **In the case of independence, the limit distributions belong to the Von Mises family (Weibull, Gumbel and Fréchet)**. **Some of them can be excluded from physical or engineering considerations**.

3. **In the dependence case any limit distribution is possible**, but **for weak dependence, the same distributions arise**.

4. **The case of exceedances over a certain threshold can be dealt with the generalized Pareto distribution, which permits using more information than the maxima and minima**.

5. **Engineering practice is full of examples in which extreme value distributions must be used**.