# COLPOC++ / HELIOS++:

## What's new in this Version 1.1:

### Since Helios++ Version 1.05: (April 2011)

#### General:

- New: Container Support for Sample/Dyes/Files Selection.

- New: Alphabethic and/or Numeric Sorting of Sample-Lists.
  -> "DyeSelection-Lists"/->^

- New: e-Mail Support in case of "Fatal Errors" -> "Automatic Invocation"

- New: PreSelection - Named Selection of Calibration Dye Collections (Recipes)
  Named Selection of Calibration Dye Collections (Gamuts)
  -> "DyeSelectionContainers"/->Preselction

- New: HELIOS++ Update/Installation/Distribution via e-Mail
  -> Program/Upgrade Helios++
  -> Help/About/peter.forster@p-forster.com
  -> Help/About/"Software Development & Consulting"

- New: e-Mail Contact/Support for Problems, Corrections, Colorimetric Proposals.
  -> Help/About/peter.forster@p-forster.com

- New: HELIOS++ Update/Installation/Distribution via Internet:
  (Please remember the procedure otherwise send me a Mail)
  -> www.p-forster.com "HELIOS++ on the Homepage"
  -> www.p-forster.com/english/products/HELIOSpp/HELIOSpp.htm

- Improved: Print to File Functions. -> File/Print to File

- Improved: Measure Samples - Previous Sample-Name as Default.
  -> ..../Measure ...

#### Specific:

- New: Fastness - Fastness Tests for Dyestuffs according ISO 105-A04/-A05/-A06.
  Measure Originals, Analyse Stainings, Analyse Changes.
  -> Color Data/Fastness

- New: Whiteness - Measure/Quality Control of Brighteners and so on.
  with Calibration according to Ganz/Griesser (valid for 90 days)

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                                                        -> Q'Control/Whiteness

- New: Dyestuff Quality Control - Quality Control as used by HUNTSMAN.
       Comparsion to Standard for Strength, Coloritetrics with Cerificate
                                                -> Q'Control/Dye Quality Control

- New: Dye Strength List - Strength Comparision to Standard.
                                            -> Color Data/Color Lists/Dye Strength

- New: Spectrometers - New Drivers for Spectrolino and Color Eye 3100.
                                 -> Spectrometer/Select Instrument/->Spectrometer

- New: What's New in this Version/What's avalable Next
                                                   -> Help/What's New
                                                   -> Help/What's avaliable Next

- New: Program Modules - Version Control/Compilation Control Lists:
                                                       -> Help/"Program Version"

- New: HELIOS++ Converter - The new coresponding Version is: 0.67.




- Improved: Color Differences - Analysing Modes:
            Shade Deviation expanded Mode, Metamerism, CMC(2:1), Hunter Lab.
                                                -> Color Data/Color Differences

- Improved: Color Space (Gamut) -  PreSelection ploted Gamut-Segmentation.
                                   -> Calibration Data/Color Space/->Preselction

- Improved: Method Development for Dyestuff Quality Control:
            New: Define/Find optimal Conditions for later Routine-Analyses.
                                 -> Calibration Data/Graphs/->RD/CSM->Draw Line
                                 -> Calibration Data/Graphs/->RD/CSM->90% Value

- Improved: Fastness - Optimised Handling for:
            Measure-Analyse-Document Cycle, Stainings <-> Changes, and so on.
                                                        -> Color Data/Fastness

- Improved: List Calibration Data Files - Select Dye Info.
                                -> File/Manage .../Calibration Data/List CD-Files

- Improved: Recipe Mode - Added Container Selection.
                                                -->Recipe/Sample/->Use Container

- Improved: Color Space (Gamut) -  Selection of Testdye to the Gamut.
                                      -> Calibration Data/Color Space/->Test Dye
                                   Shade Consistency (with Magnifyer)
                                      -> Calibration Data/Color Space/->"Lights"
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 - Improved: Measure Data Batchs -  Documenting/Disp Concentration Information.
                                        -> Calibration Data/Measure Data Batchs

 - Improved: Dyestuff Quality Control -  Analysis Trust/Quality Index
                                         Archivation of Analysis-Results
                                         Retriving/Redocumentation Analysis
                                         Handling of erroneous Measurements
                                         Plot/Analyse Result-Spectra
                                         (PrePrepared for 'SAP'-Comunication)
                                                 -> Q'Control/Dye Quality Control
                                                 -> Q'Control/Display  QC-Results
                                     (Thank-You to Mrs. Helfrich HUNTSMAN Basel)

Bugs:
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 - Some jet known Bugs are eliminated.
 - Please let me know ALL real OR a hypotetical Bugs. Every Hint is very helpfull.
                                       -> Help/About/peter.forster@p-forster.com


Converter:  The actual coresponding Version is 0.67.
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And don't forget:
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               Hopefully soon:  Your own Colorimetric Proposals!
               ==================================================
                                       -> Help/About/peter.forster@p-forster.com



 - Remarks: CSM->   = Content Sensitive Menue.
 - Remarks: HELIOS++  Actual newest Update is also available as an e-Mail.
                                                   -> Program/Upgrade Helios++

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      Software Development & Consulting:   Peter Forster    24.December 2011
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