#### The Global Picture of Star Formation in NGC 3603

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Workshop on "Spectroscopy with SOFIA" Ringberg Castle, Germany, 16.03.2015 [Background Image courtesy Michael J. West]

# NGC 3603 as seen by HST + WFPC2 and VLT + ISAAC



ESO Press Releases 16/99 and 15/03 (Brandl et al. and Nürnberger et al.)



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... "A perfect Starburst Cluster made in One Go" (Banerjee & Kroupa 2014) !?

-30'



STScI Press Release 1999-20 (Brandner et al.)

## Spatial Distribution of H $\alpha$ Emission versus [C II] 158 $\mu$ m Emission



Pérez-Beaupuits et al., in prep.

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Nürnberger et al., in prep.

#### Physical Properties of Cold and Dense Molecular Gas and Dust



Nürnberger et al., in prep.











## NGC 3603 as seen by Spitzer IRAC + IRS: PAH / VSG vs. ISRF hardnes



# NGC 3603 as seen by Spitzer IRAC: wide FoV teaser





#### NGC 3603 as seen by Spitzer IRAC: wide FoV teaser





#### NGC 3603 as seen by Spitzer IRAC: wide FoV teaser







