The score function that will be used to evaluate the participants is the following:

score = 2 - (2 \* SSIM) + mse + diff\_mean + diff\_max + diff\_min

Where,

SSIM is the structural similarity between the produced images and the reference images.

mse is the mean squared error between the produced images and the reference images.

diff\_mean is abs(meanImage1 – meanImage2)

diff\_max is abs(maxPixelValueImage1 - maxPixelValueImage2)

diff\_min is abs(minPixelValueImage1 - minPixelValueImage2)

The lower the score the better it is.

<https://en.wikipedia.org/wiki/Structural_similarity>