



**Figure 4. RNAi and siRNA-directed Assembly of Heterochromatin in *S. pombe***

Both Dicer and RDRC are required for siRNA generation. Initial targeting is proposed to involve RITS and siRNA-mediated recognition of cognate transcripts. The binding of RITS is stabilized by association of the chromodomain of Chp1 with H3K9 methylated histone. The recruitment of Clr4 and Swi6 mediates the spreading of H3K9 methylation.