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Figure 1. The life cycle of *Phlebotomus perniciosus* in the Iberian Peninsula. The life cycle of *P. perniciosus* is divided into two main phases: the immature phase (eggs, larvae, and pupae) and the adult phase. The immature phase is characterized by a long development time (up to 12 months) and is highly dependent on environmental conditions. The adult phase is characterized by a shorter development time (up to 1 month) and is highly dependent on the availability of blood meals. The life cycle is completed when the adult female lays a new batch of eggs.

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Figure 1. The structure of the proposed model.

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