













## 6. Conclusion

In this contribution, the concept of level-2 fuzzy sets was considered; this concept was first defined in [6]. It provides for a unified representation of fuzzy regions in both a veristic and a possibilistic approach. The model was developed to overcome the dependency on the metadata regarding the interpretation, to properly represent regions for which there is knowledge on how the boundaries can change and to allow for more elegant unified definitions. Both approaches are combined and the model thus allows candidate regions to be considered. In this contribution, the impact of this to the calculation of distances between fuzzy regions and the surface area of fuzzy regions was considered. The definitions for the surface area and the distance are such that they are still compatible with the original models.

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