Allow dimensions to be members of multiple hierarchies

What is your idea?

*Allow dimensions to be members of multiple hierarchies.*

What problem are you trying to solve or what scenario would this idea solve?

Currently, if I require multiple hierarchies with common dimensions I am required to duplicate the dimensions. These copies are required to have unique names so if I have say, three hierarchies on something like:

Hierarchy1: Region -> Program -> Project
Hierarchy2: Program->Region->Project
Hierarchy3: Project->Region->Program

I must have a naming convention which provides 3 copies of Program, 3 copies of Region, 3 copies of Project; each uniquely named.

My dashboards are already complex and this imposes additional complexity.

While this is a toy example, I have hierarchies which are 5 deep, and typically 3 or so permutations. This leads to 15 new copies given the convention described above.

What workaround have you found and used so far (if any)?

I essentially create a convention where I name each based on the members of the hierarchy in order of precedence. When the first letter conflicts, I include enough lower-case characters to differentiate.

Also, I only use copies in hierarchies so that they all are copied from the original, untouched field.

For instance, the hierarchies described above would be:

*RPgP_HIER = RPgP_Region -> RPgP_Program -> RPgP_Project
PgRP_HIER = PgRP_Program -> PgRP_Region -> PgRP_Project
PRPg_HIER = PRPg_Project -> PRPg_Region -> PRPg_Program*

While this works to manage the complexity, the names are terrible and I either have to re-alias everything, or hide the names.

When I can, I create dynamic hierarchies, however, more often than not, I must provide canned hierarchies.
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What is your role in your organization?

*Platform architect with some dashboarding and reporting assignments.*

**Suggestion:**

*Treat hierarchies as a collection of hierarchial references to existing fields. Remove any logic in tableau which assumes sole ownership of the dimension. It seems straight forward but I say that with no knowledge of the application internals which lead to this limitation to begin with.*