

ScalES-PPM - Feature #322

Add general MPI datatype-based access to distributed multi-array

07/02/2013 01:34 PM - Thomas Jahns

Status:	Closed	Start date:	07/02/2013
Priority:	Low	Due date:	
Assignee:		% Done:	100%
Category:		Estimated time:	0:00 hour
Target version:			

Description

The multi-array could provide access to types not directly supported via an interface that looks like this:

```
subroutine dist_mult_array_get_cache_val_mpidt(dm_array, sub_array_idx, &
    cache_idx, coord, v)
    TYPE(dist_mult_array), INTENT(in) :: dm_array
    INTEGER, INTENT(in) :: sub_array_idx, cache_idx
    INTEGER, INTENT(in) :: coord(:)
    TYPE(C_PTR) :: v
```

and write to v via MPI_Sendrecv on MPI_Comm_self.

History

#1 - 07/02/2013 01:35 PM - Thomas Jahns

- Description updated

#2 - 07/02/2013 01:36 PM - Thomas Jahns

- Description updated

#3 - 08/05/2020 10:35 AM - Thomas Jahns

- Status changed from New to Closed

- % Done changed from 0 to 100

This has become non-issue with the replacement of type-specific Fortran code by a type-agnostic C implementation in commit:bd2cdf0b4f0e6c73.