

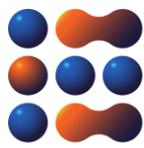
ROPPOR Art v1.0

Remesh 3D Formation

Usage Guide (Cinema 4D)

Chemessen, Inc.

[You can watch the video\(Youtube\) about this document.](#)



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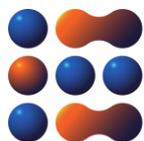
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It does not guarantee the stability, the function for a specific purpose, etc.

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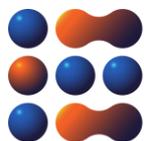
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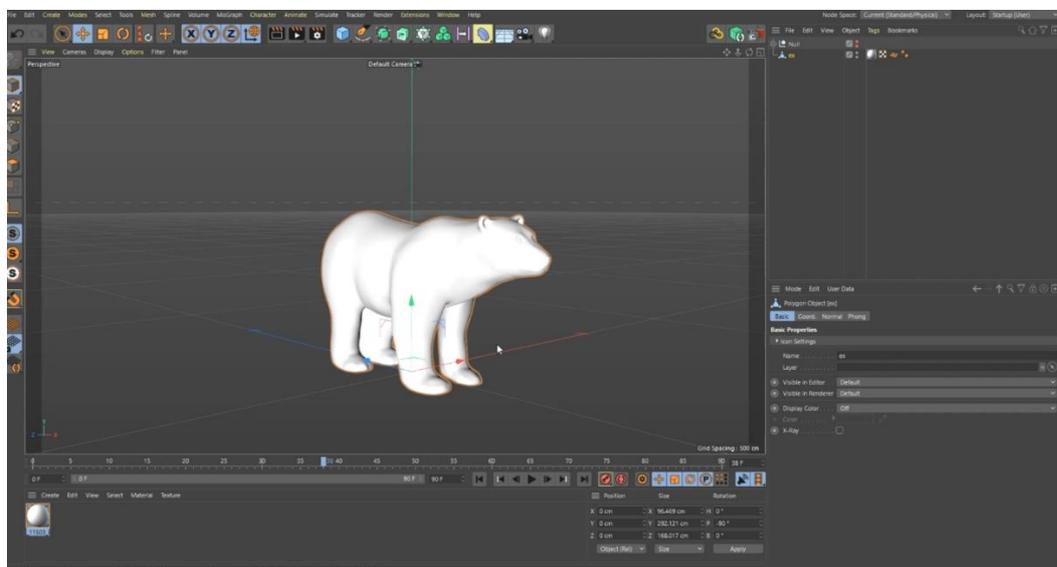
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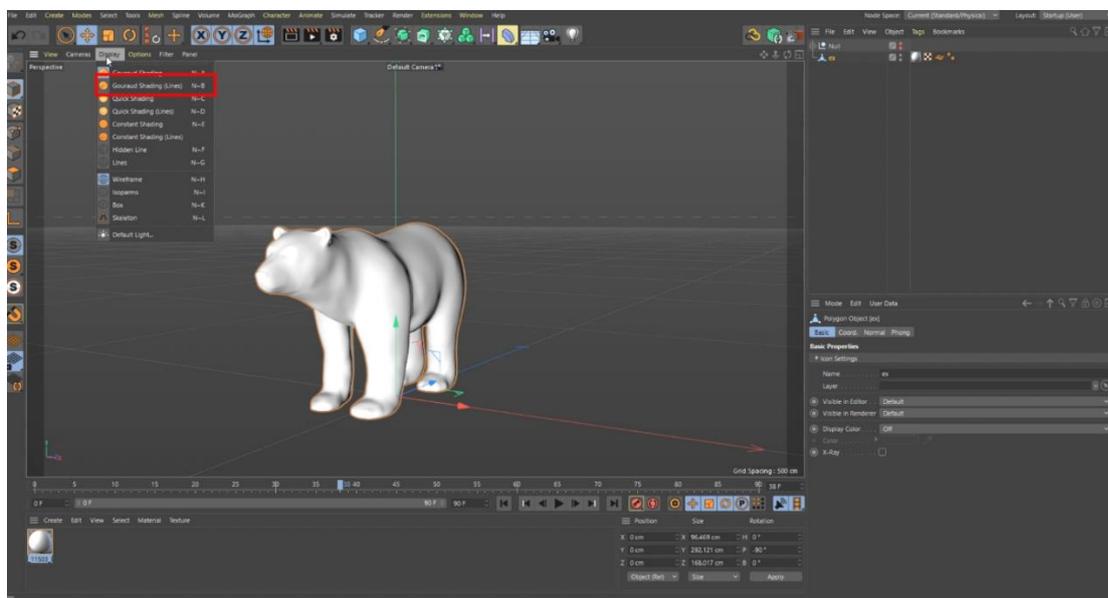


1. Set-up Procedure

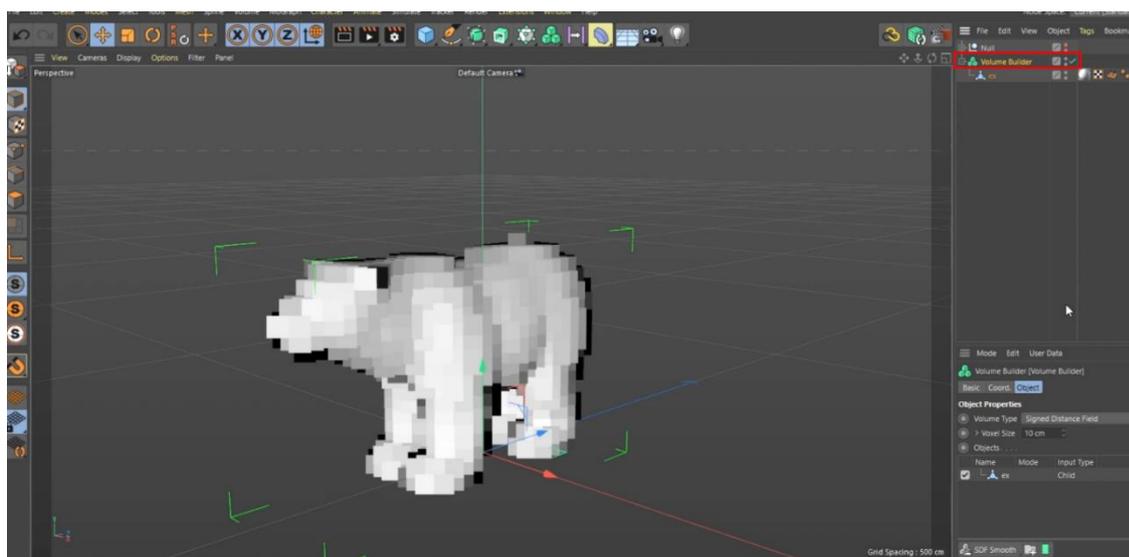
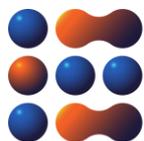
It is a function equipped with C4D (Cinema 4D) R23 or higher that divides the surface of a 3D object into equal sizes and helps to facilitate the production of drone show formations.



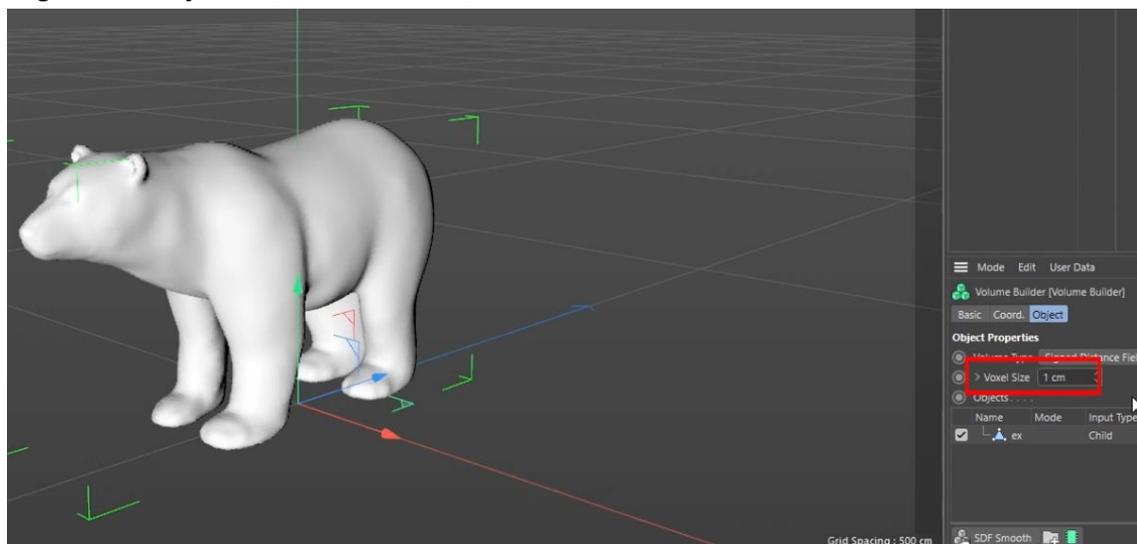
Prepare a 3D object to apply the [Remesh] function.



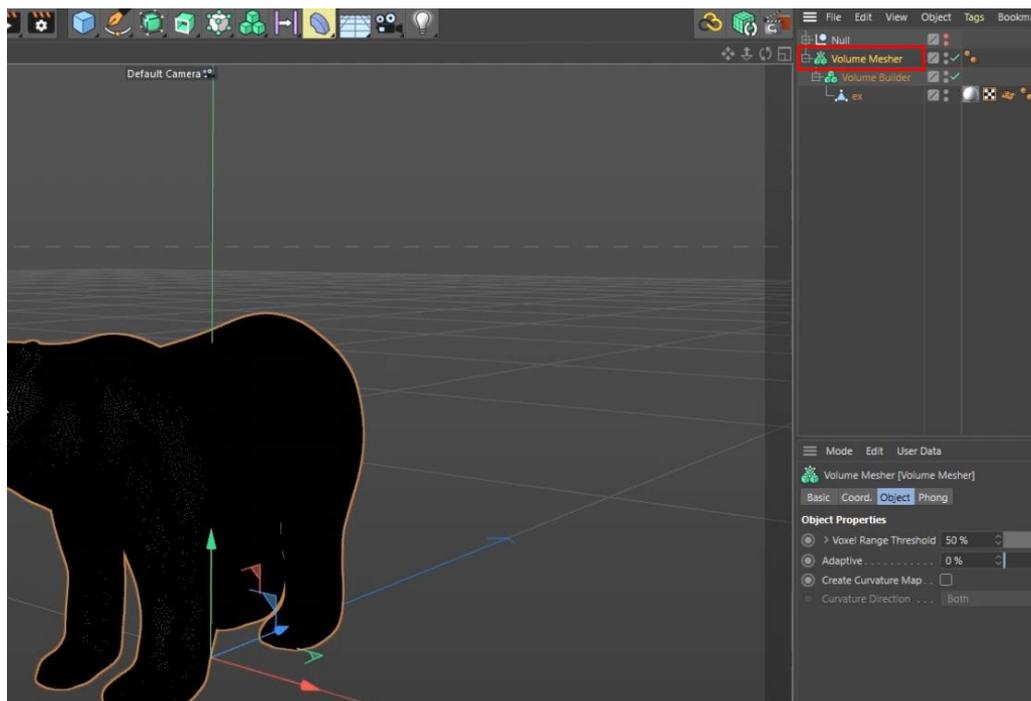
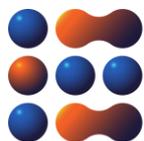
Activate the [Display>Gouraud Shading (Lines)] menu and check the mesh.



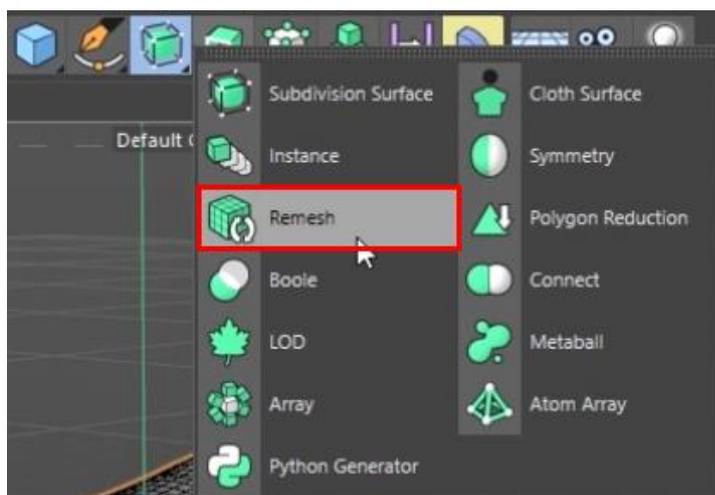
Register 3D object in [Volume Builder].



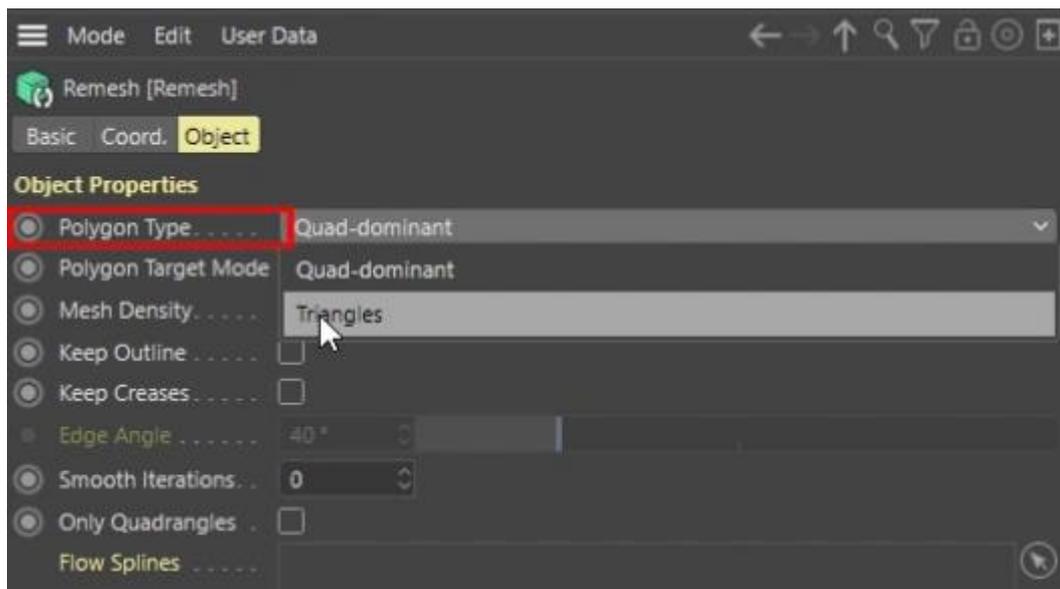
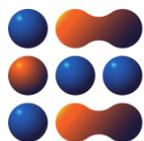
Decreasing the [Voxel Size] brings out vitalizing the details of the object.



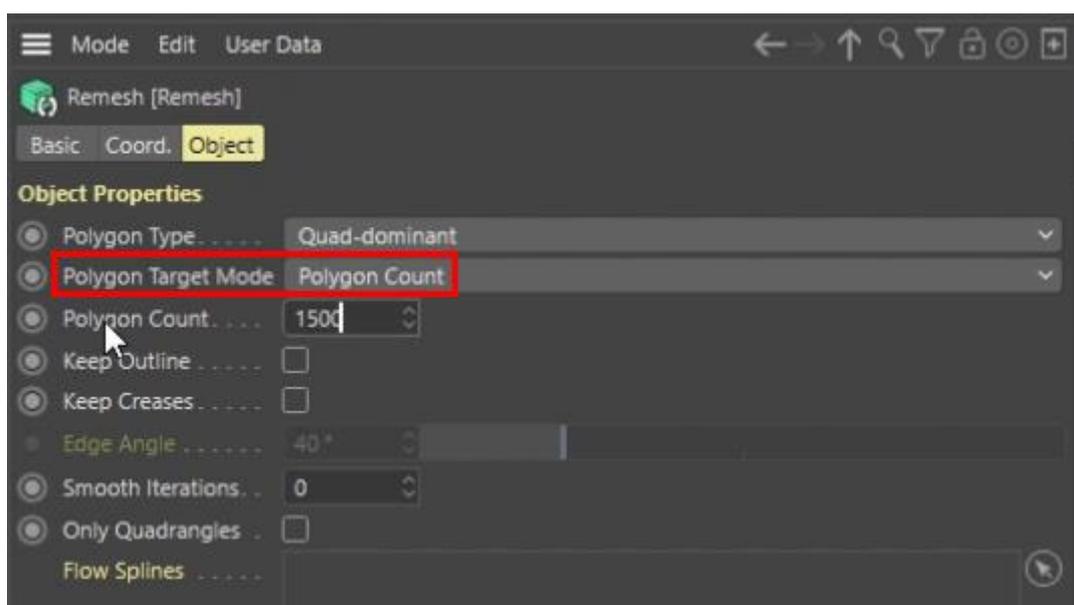
Register [Volume Builder] to [Volume Mesher].



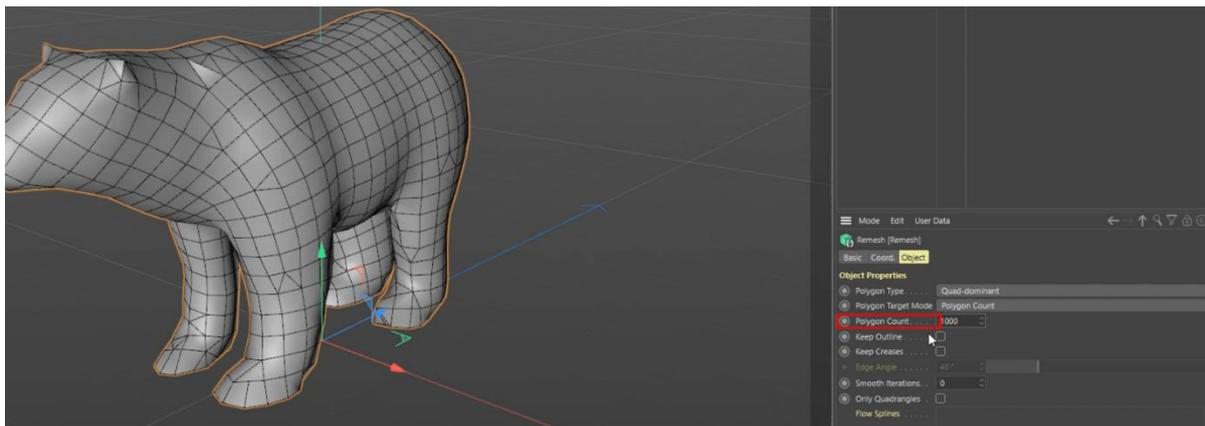
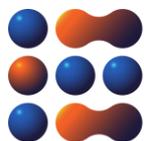
Register [Volume Mesher] to [Remesh].



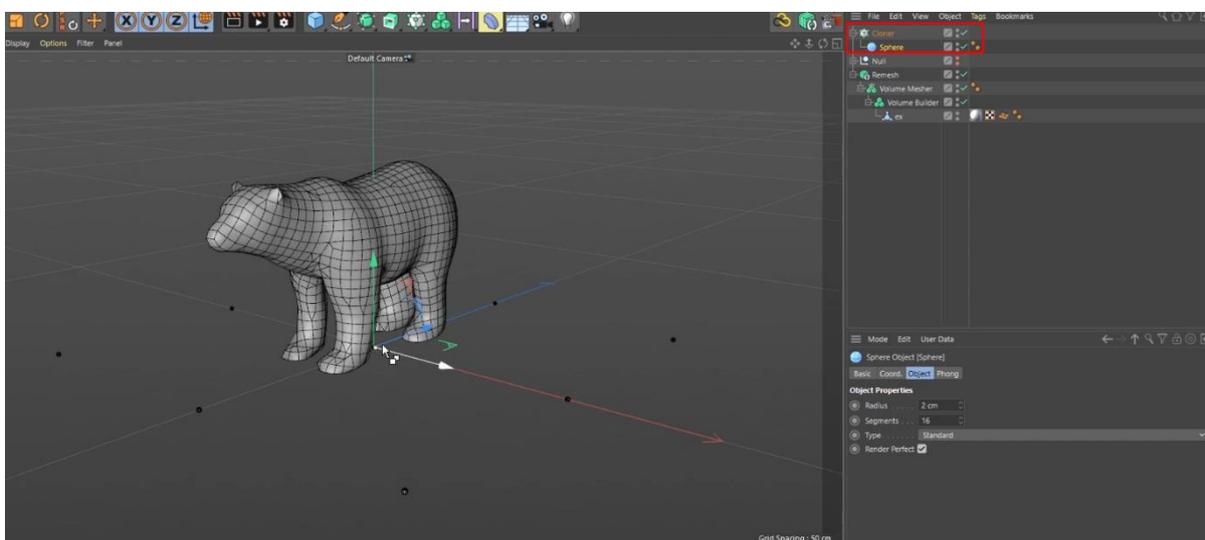
In [Polygon Type], you can set the mesh type to be applied to the 3D object with quad-dominant or triangles.



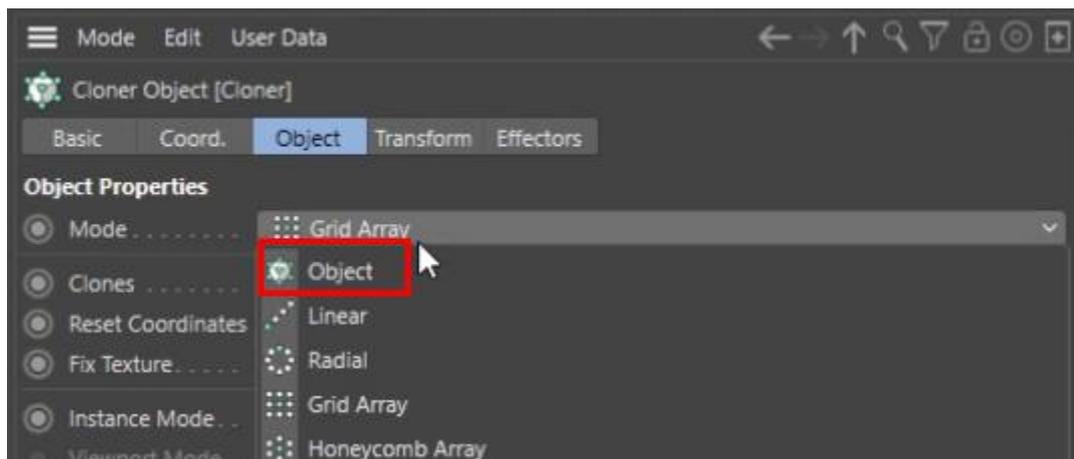
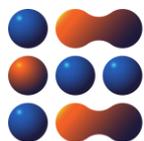
You can specify the number of polygons by setting [Polygon Count] in [Polygon Target Mode].



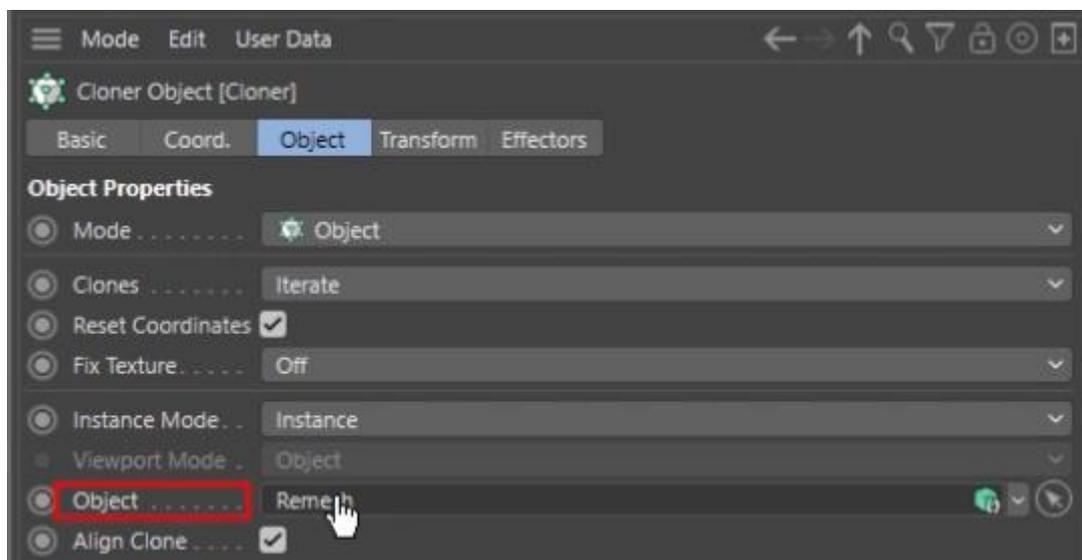
Mesh will be composed of 3D objects as many as you specify [Polygon Count].



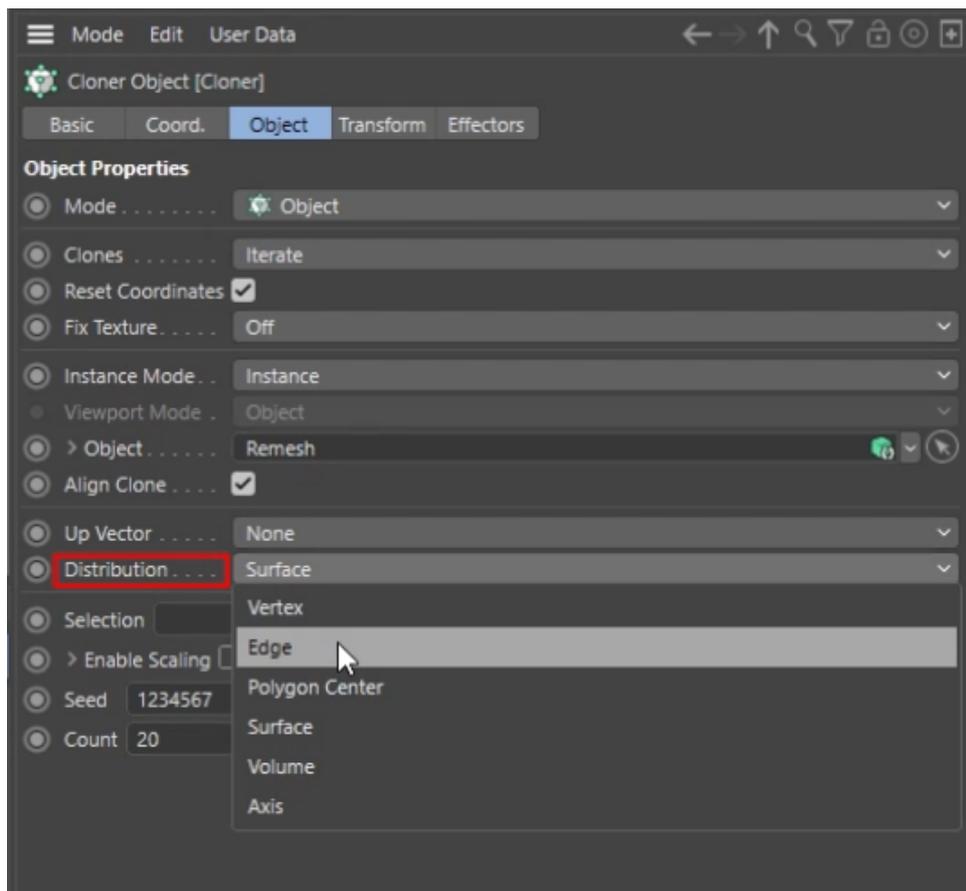
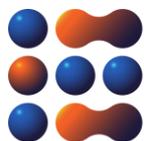
Register [Sphere] to [Cloner].



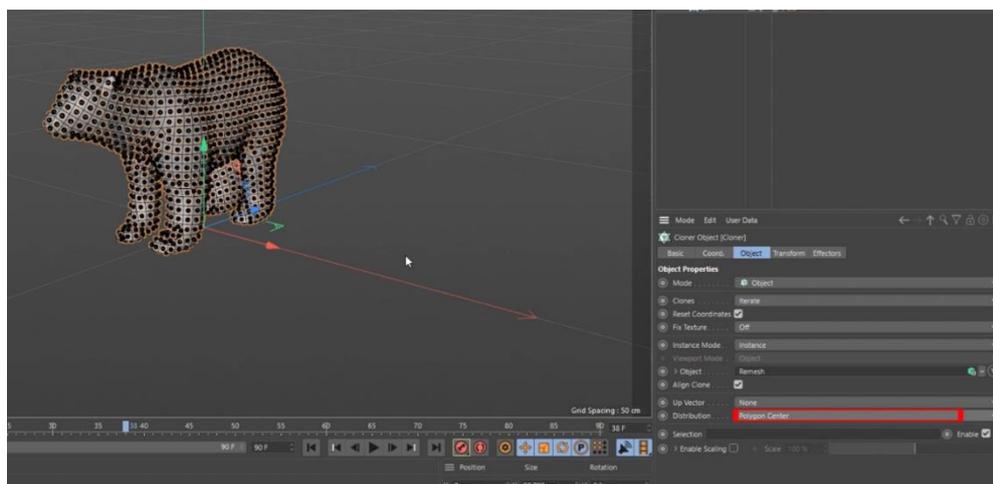
Change the Mode of [Cloner] to Object



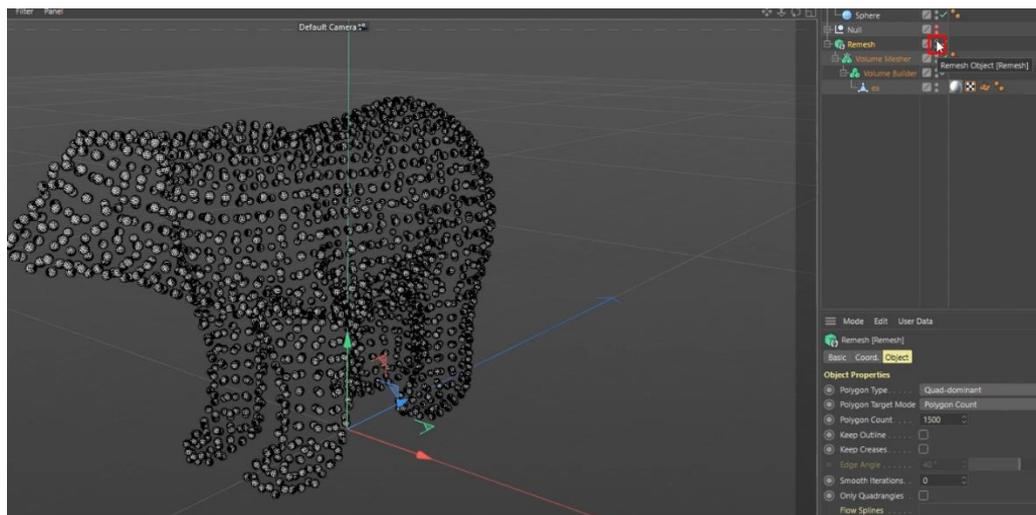
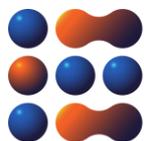
Insert the created [Remesh] in Object.



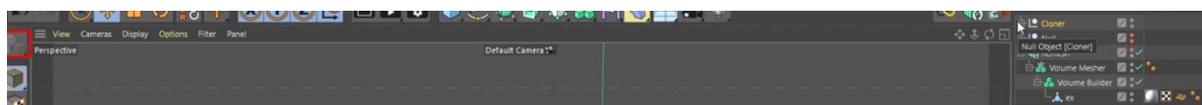
In [Distribution], apply the mesh distribution to [Vertex, Polygon Center] or the user's desired setting.



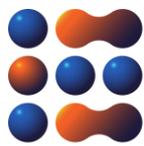
<Polygon Center application>



After releasing [Visible in Editor] of [Remesh], check the shape where the sphere is placed.



<The upper left red box [Make Editable] icon>



After selecting [Cloner], click [Make Editable] to separate them into individual objects.

Using the generated drones, drone show performance formation can be produced.